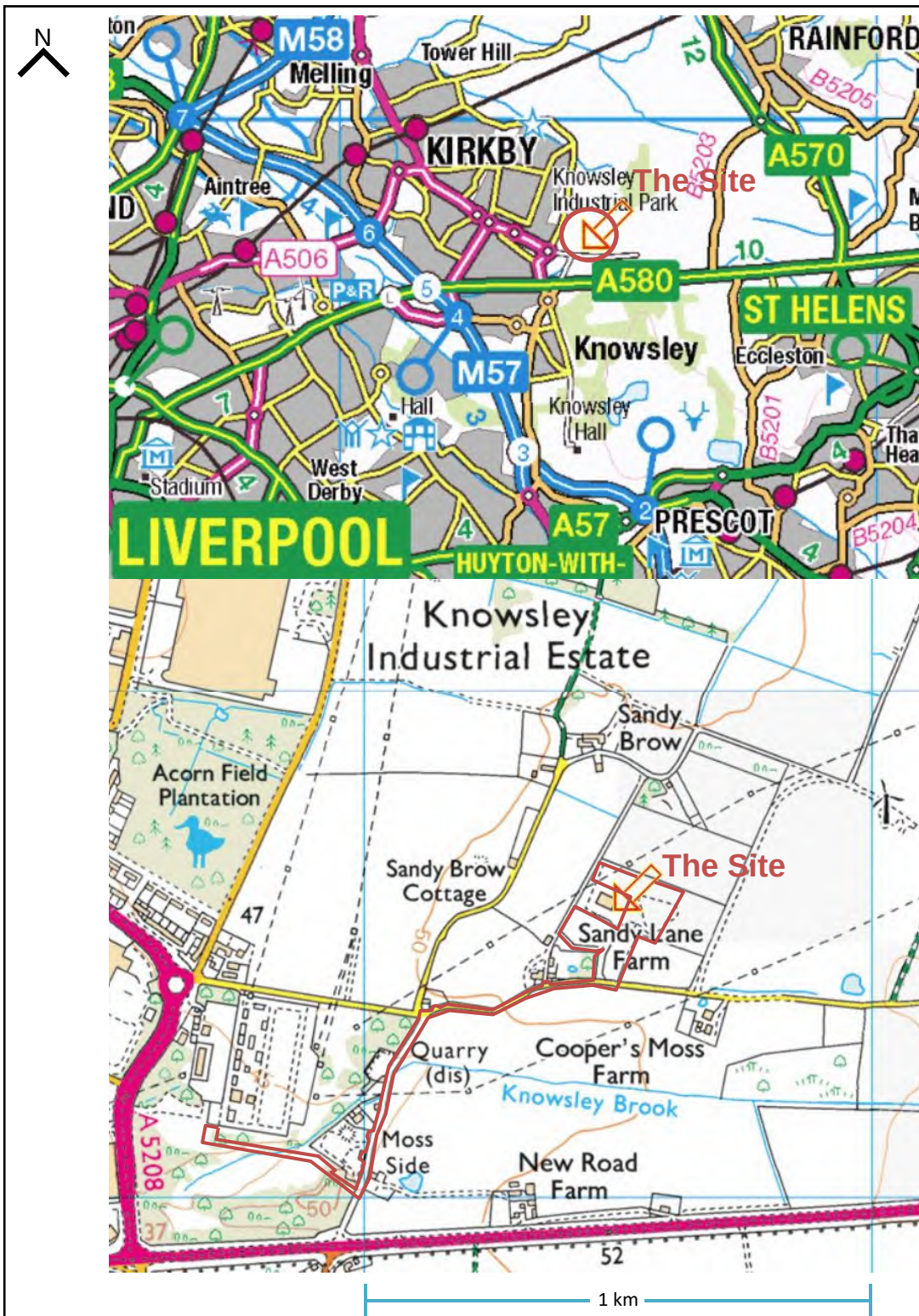


FIGURES



Client	Project	Job No
Envams	Kirkby BESS	CGN/05153B
 GEOTECHNICAL & GEOENVIRONMENTAL CONSULTANCY A PHENNA GROUP COMPANY	Title Site Location Plan	Figure 1
		Drafted by: GD
		Checked by: MCK
		Approved by: RLP



Client	Project	Job No	
Envams	Kirkby BESS	CGN/05153B	
 GEOTECHNICAL & GEOENVIRONMENTAL CONSULTANCY A PHENNA GROUP COMPANY	Title	Figure 2	
		Drafted by: GD	
		Checked by: MCK	
		Approved by: RLP	
Site Layout Plan			

APPENDIX A

Proposed Development Plans



NOTES

1. All details are indicative only.

LEGEND

- PLANNING APPLICATION BOUNDARY
3.34HA
- VEHICLE PASSING POINT
- 3RD PARTY OVER HEAD PYLONS

05.	RLB Updated	20.03.25	JL	SRY
04.	RLB Updated	19.03.25	JL	SRY
03.	Passing points updated	27.02.25	JL	SRY
02.	Passing points indicated	24.02.25	JL	
01.	Cable route updated	30.01.25	JL	
Rev	Description	Date	Checked	

Drawing No.
KIR-EDFR-BESS-LAND-PLN-150.05

Project
Kirkby BESS

Title
Site Location Plan

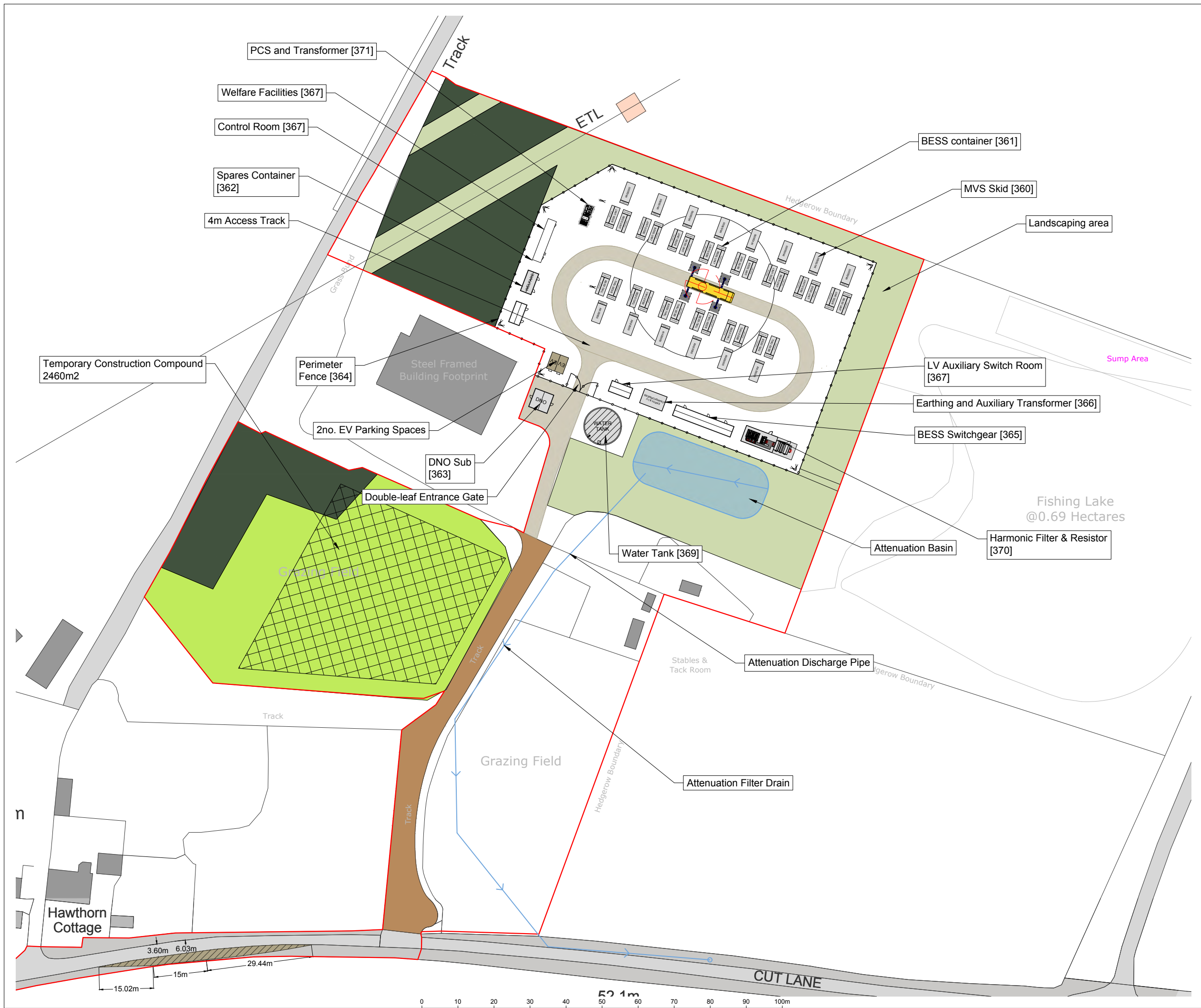
Scale
1:5000 @A3

Drawn by
JL

Checked
SRY

Date
16.01.25





NOTES

1. All details are indicative only.

LEGEND

PLANNING APPLICATION BOUNDARY

PERIMETER FENCE

OTHER BROAD LEAVED WOODLAND

OTHER NEUTRAL GRASSLAND, ENHANCED

OTHER NEUTRAL GRASSLAND, MODERATE

BIOSWALE

13.	Drainage attenuation updated	25.03.25	JL	SRY
12.	Drainage attenuation updated	24.03.25	JL	SRY
11.	RLB updated	20.03.25	JL	SRY
10.	Y Layout added to plan	19.03.25	JL	SRY
09.	BNG Layout added to plan	18.03.25	JL	SRY
08.	Drainage Layout added to plan	27.02.25	JL	SRY
07.	Passing places added	24.02.25	JL	SRY
06.	Site layout components updated	17.02.25	JL	SRY
05.	Temp compound moved	11.02.25	JL	SRY
04.	Site moved 5m North	05.02.25	JL	SRY
03.	Site moved 12m South	09.01.25	JL	SRY
02.	12m Landscape gap to West	20.12.24	JL	SRY
01.	Site layout updated for landscaping	12.12.24	JL	SRY
Rev	Description	Date	Checked	

Drawing No.

KIR-EDFR-BESS-CIV-PLN-300.13

Project

Kirkby BESS

Title

Site Layout Plan

Scale

1:1000 @A3

Drawn by

JL

Checked

SRY

Date

19.11.24

W: www.edf-re.uk
A: Cardinal Place, 80 Victoria Street, London SW1E 5JL



NOTES

1. All details are indicative only.

LEGEND

- PLANNING APPLICATION BOUNDARY
4.09HA
- DRAINAGE CATCHMENT AREAS
- LV INTERNAL CABLE
- HV INTERNAL CABLE
- OTHER BROAD LEAVED WOODLAND
- OTHER NEUTRAL GRASSLAND, ENHANCED
- OTHER NEUTRAL GRASSLAND, MODERATE
- BIOSWALE

14.	Drainage attenuation updated	25.03.25	JL	SRY
13.	Drainage attenuation updated	24.03.25	JL	SRY
12.	RLB updated	20.03.25	JL	SRY
11.	Y Layout added to plan	19.03.25	JL	SRY
10.	BNG Layout added to plan	18.03.25	JL	SRY
09.	Drainage Layout added to plan	27.02.25	JL	SRY
08.	Passing places added	24.02.25	JL	SRY
07.	Add HV and LV cables	17.02.25	JL	SRY
06.	Temp compound moved	11.02.25	JL	SRY
05.	Site moved North 5m	05.02.25	JL	SRY
04.	Cable route updated	30.01.25	JL	SRY
03.	Site moved 12m South	09.01.25	JL	SRY
02.	12m Landscape gap to West	20.12.24	JL	SRY
01.	Site layout updated	12.12.24	JL	SRY
Rev	Description	Date	Checked	

Drawing No.

KIR-EDFR-BESS-CIV-PLN-250.14

Project

Kirkby BESS

Title

Due Dilligance Plan

Scale

1:1000 @A3

Drawn by

JL

Checked

SRY

Date

03.12.24



W: www.edf-re.uk

A: Cardinal Place, 80 Victoria Street, London SW1E 5JL

APPENDIX B

Walkover Summary and Photosheet

Site Walkover Report Form



SITE:	Kirkby BESS	JOB NO:	CGN/05153
DATE:	24/08/2023	VISIT BY:	CJB
WEATHER:	Overcast		

SITE ACCESS	
Vehicular access (including dimensions)	Cut Lane, Cut Lane site Entrance, Substation entrance, and Hewitts Lane: Single track tarmac Road (approx. 4.0m Wide) Molly's Lane: Two Lane backroad (approx. 6.0m wide) A5208 Pavement: wide (approx. 4.0-5.0m wide) A580 Pavement: Narrow (approx. 3.0-4.0m wide, narrows to 1.5m-2.0m wide in parts).
Pedestrian access	Cut Lane, Molly's Lane, Hewitts Lane: No walkable pavement. A5208, A580: Accessible pavement
Restrictions	TM/Road closures required for Cut Lane, Molly's Lane, Hewitt's Lane to allow GI. A580 TM/Lane closure needed to allow GI on narrow path.
SITE DESCRIPTION AND SKETCH	
Two routes (Preferred and Alternate) connecting the farm north of Cut Lane (Cut Lane site – unionists.movement.garden) to the substation (sometime.pianists.drifting). - Preferred Route follows Cut Lane and Molly's Lane to the west, then the A5208 margin south to the station entrance. - Alternative Route follows Hewitts Lane south, then the A580 margin west, then the A5208 margin north to the substation entrance. Cut Lane site area is currently undergoing backfilling with silty sand/Topsoil/Made Ground (not Engineered Fill). Potential for 5-6m of compressible infilled ground.	
BUILDINGS	
Number, height, age, construction etc.	Cut Lane site: 1 new, large, corrugated metal barn (approx. 30mx20mx5m) upon concrete slab. 1 old, disused, wooden stable (approx. 10mx3.5mx2m)
Current use	Metal barn – plant storage. Stable – disused.
Evidence of damage/cracking etc.	Metal barn in good condition, stable is poor condition.
Possible hazardous materials (e.g. asbestos)	Gas cylinders, Tarmac, and Made Ground spoil tips to the south side of the metal barn. Various skips containing metal and plastic.
Existing foundations, cellars, basements etc.	Concrete pad.
SURFACE COVER	
Type of cover	Cut Lane site: Topsoil/Made Ground. Roads: Tarmac. Substation – not accessible but predominantly vegetated with a gravel

Site Walkover Report Form



	hardcover access.
Quality of cover	Good
VEGETATION	
Trees (type and estimate of height)	Sparse 3 - 5m trees along Cut Lane site and road perimeters. Some 10 – 15m trees near Cut Lane site entrance.
Other vegetation and extent	Grass/fern verges along Cut Lane, Hewitts Lane. 3m Hedge on either side of Molly's Lane.
Japanese knotweed (location and extent)	None visible.
Hogweed (location and extent)	None visible.
TOPOGRAPHY	
Flat/sloping/stepped	Flat on access routes. Large pits currently being excavated and backfilled (sandpits) in Cut Lane site.
Evidence of subsidence	None visible.
Local depressions	None visible.
Significant slopes	Edges of sandpits.
GROUND DETAILS	
Fly tipped material	Made ground/tarmac materials tipped on south side of metal barn.
Evidence of filled ground	Sand pits backfilled with silty sandy Made Ground (like topsoil). 5 - 6m depth pit currently open, potential for complete/filled pits around the site.
SERVICES	
Details and location of services/manhole covers/wells/marker pegs	Drains, buried 11kV at Cut Lane junction. OHL goes under the road on Molly's Lane, also drains along north margin. Various water/telecoms buried in A5208 verge. Buried 275kV and MP Gas crossing A580 verge west of Hewitts Lane (35m west for 275kV, 15m west MP Gas).
Overhead services	OHL 15m east of Cut Lane site, Runs SW to substation. Crosses Cut Lane and then runs parallel to the road.
On-site water supply present (location)	Water supply indicated in the road at Molly's Lane/A5208 junction.
SURFACE WATER/GROUNDWATER	
Evidence of flooding	None visible.
Evidence of high water table	None visible.
Springs/ponds/wells	None visible.
Streams/rivers/ditches	Ditch running along northern margin of Cut Lane Ditch running along east margin of Hewitts Lane.

Site Walkover Report Form

TANKS	
Evidence of AST or UST	Unknown green tank on Cut Lane site south of metal barn, appears empty.
Vent pipes	None visible.
Interceptors	None visible.
Stored substances	Cut Lane site - backfilling soil material, skips containing metal, plastic, and hardcore to the south of the barn. Tarmac/hardcore spoil south of the metal barn. Various tipped materials southwest of the metal barn. Gas cylinder dump southeast of the metal barn. Old spoil heaps south of the metal barn
ADJACENT PROPERTY/LAND USE	
Surrounding area	Farmland, substation, houses, yard, A-road
ANECDOTAL INFORMATION	
From occupiers/landowner	N/A
From neighbours/locals	N/A
OTHER COMMENTS	
Various litter along edge of substation along A2508.	

PHOTO SHEET



1. Cut Lane access road looking south.



2. Cut Lane site metal storage barn and plant in the west.



3. Cut Lane sand pit looking northeast, partially backfilled with loam/Made Ground.



4. Cut Lane site looking west, backfill material spoil.



5. Cut Lane site looking north, potentially backfilled pits.



6. Cut Lane site margin looking north showing vegetation, OHL, and Made Ground.

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Envams	Kirkby BESS		CGN/05153
	Title		
	Walkover Photo Sheet		Appendix B

PHOTO SHEET



7. Various metal, plastic, and hardcore skips south of the metal barn.



8. Unknown empty tank south of the metal barn.



9. Tarmac/hardcore spoil south of the metal barn.



10. Various tipped materials southwest of the metal barn.



11. Gas cylinder dump southeast of the metal barn.



12. Inside the structure.

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Envams	Kirkby BESS, Kirkby		CGN/05153
	Title		
	Walkover Photo Sheet		Appendix B

		
13. Old spoil heaps south of the metal barn.	14. Disused wooden stable northeast of the site entrance.	15. Cut Lane site entrance onto Cut Lane, looking south.
		
16. Cut Lane junction with Molly's Lane and Hewitt Lane, looking west.	17. 11kV going underground to the west of Cut Lane junction, looking east.	18. OHL going underground under Molly's Lane, a drainage system runs under the curb running along the right-hand side of the road.

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Envams	Kirkby BESS, Kirkby	CGN/05153
	Title	
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19. OHL crossing Molly's Lane, looking west.



20. Existing substation entrance onto Molly's Lane.



21. Molly's Lane/A5208 junction looking west.



22. A5208 pathway looking north from Molly's Lane junction looking south.



23. One of the various telecoms access grates indicating buried services under A5208 path.



24. Proposed substation entrance looking east.

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Envams	Kirkby BESS, Kirkby		CGN/05153
	Title		
	Walkover Photo Sheet		Appendix B



25. A580 pathway looking east from A5208 junction.



26. The A580 pathway narrows significantly to the east.



27. Buried 275kV indicator crossing A580 path 30 – 40m west of Hewitts Lane.



28. Hewitts Lane/A580 junction looking east, MP gas indicator to the left in the verge.



29. Hewitts Lane looking north, inbuilt drains along righthand side of road.



30. Hewitts Lane looking north back to Cut Lane junction.

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Envams	Kirkby BESS, Kirkby	CGN/05153
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	Walkover Photo Sheet	Appendix B