CONSTRUCTION ENVIRONMENT MANAGEMENT PLAN

APPENDIX 1

OVERHEAD LINE ROUTE MAPS

N

Ballybay

Castleblayney

Shercock

Carrickmacross

Kingscourt

Bailieborough

Lisdrum - South 110 kV Line

Louth - Rathrussan 110 kV Line

102 105 109 112 116 118 121 126 130 132 136 140 142 149 154 157 161 166 169 176 181 184 186 188 197 203 207 212 217 224 228 237 242 245

Legend

- Proposed Angle Tower Location
- Proposed Line Route
- Proposed Line Route (N.I.) Planning Ref. O/2009/0792/F & O/2013/0214/F
- Existing Flagford-Louth 220 kV Line
- Site Notice Location
- Application Area -Proposed Temporary Construction /Material Storage Yard (See map extract below)
- Extent of Landownership (See map extract below)
- Proposed Alterations to Existing Electricity Line

KEY PLAN:

MT-001-001

MT-001-002

MT-001-003

NOTES:
1. Transmission line and towers not to be scaled
2. Discovery Series tiles used: OS2628, OS2630, OS2632, OS2828, OS2830, OS2832
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0 0.5 1 2 3 4
Kilometres

Tower 237 marks the termination of the CMSA section and the commencement of the MSA section of the line route (Refer to Planning Drawing Reference: MT-001-002 for continuation of line)

MAP EXTRACT

CLIENT: EIRGRID

PROJECT: **North South 400 kV Interconnection Development**

DRAWING TITLE: **CMSA Line Route Map - Context 1:50,000 - Planning Drawing**

PRODUCTION UNIT: **High Voltage Engineering**

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DRAWN	PRODUCED	VERIFIED	APPROVED	APPD DATE
DOS	DOS	KC	BA	May-15

PLANNING DRAWING REFERENCE	NO. OF SHTS	SIZE	SCALE
MT-001-001	1 of 3	A1	1:50,000

DRAWING NUMBER SHEET REV

PE687-D141-128-001-007

Tower No. 237 marks the terminaton of the MSA section and the commencement of the CMSA section of the line route. (Refer to Planning Drawing Reference: MT-001-001 for continuation of line).

237 242 245 248 252 262 265 266 268 271 280 282 284 290 295 299 303 307 309 312 314 316 317 318 319 322 324 327 330

Mullagh An Mullach
Moynalty Maigh nEalta
Carlanstown
Kells
Carnaross
Clonmellon
Navan
Ardee
Drumconrath
Nobber An Obair
Slane
Arva - Navan 110 kV Line

N

NOTES :

1. Transmission lines and towers not to be scaled.
2. Discovery series tiles used: OS2628, OS2828, OS2626, OS2826

0 .5 1 2 3 4
Kilometres

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LEGEND:

- Proposed Angle Tower Location
- Proposed Line Route
- Existing Flagford - Louth 220 kV Line
- Proposed Alterations to Existing Electricity Line

KEY PLAN:



Rev	Date	Description	By	Chkd.
C	April '15	UPDATE FOLLOWING DESIGN REVIEW	MN	DG
B	Dec. '14	PLANNING ISSUE	MN	DG
A	Jan. '14	CLIENT ISSUE	MN	DG

Client: EIRGRID

Project:
NORTH - SOUTH 400 kV
INTERCONNECTION DEVELOPMENT

Title:
MSA LINE ROUTE MAP
- CONTEXT 1:50,000
- PLANNING DRAWING
- Sheet 2 of 3 -

Scale @ A1:	1:50,000	
Prepared by: M. Nolan	Checked: D. Grehan	Date: April 2015
Project Director:	D. Grehan	
Planning Dwg Ref:	MT-001-002	

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Drawing No.: 6244-2000

Revision: C

LEGEND:

- Proposed Angle Tower Location
- Existing End Tower
- Proposed Line Route
- Existing Oldstreet - Woodland 400 kV Line
- Existing 400 kV Double Circuit Line
- Woodland Substation Planning Area
- Existing Woodland Substation Boundary
- ESB Property Boundary
- Site Notice Location

KEY PLAN:



Rev	Date	Description	By	Chkd.
B	Dec. '14	PLANNING ISSUE	MN	DG
A	Jan. '14	CLIENT ISSUE	MN	DG

Client: EIRGRID

Project:

NORTH - SOUTH 400 kV
INTERCONNECTION DEVELOPMENT

Title:

MSA LINE ROUTE MAP
- CONTEXT 1:50,000
- PLANNING DRAWING
- Sheet 3 of 3 -

Scale @ A1:	1:50,000		
Prepared by:	M. Nolan	Checked: D. Grehan	Date: December 2014
Project Director:	D. Grehan		
Planning Dwg Ref:	MT-001-003		

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Drawing No.: 6244-2001

Revision: B

NOTES :

1. Transmission lines and towers not to be scaled.
2. Discovery series tiles used: OS2626, OS2826, OS2624, OS2824

0 .5 1 2 3 4
Kilometres

Existing Woodland 400 kV Substation
For more details please refer to the Substation Planning Drawings, Planning Dwg. Reference No's: MT-006-001, MT-006-002, MT-006-003 & MT-006-004

SITE NOTICE LOCATION

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Legend

- Proposed Angle Tower Location
- Proposed Line Route
- Proposed Line Route (N.I.) Planning Ref. O/2009/0792/F & O/2013/0214/F
- Application Area -Proposed Temporary Construction/Material Storage Yard
- Extent of Landownership
- Proposed Alterations to Existing Electricity Line

Ecology

- Breeding Wader Sites (NI)
- Swan flight lines 2008/09
- Swan flight lines 2009/10
- Swan flight lines 2010/11
- Swan flight lines 2011/12
- Swan flight lines 2012/13
- Swan flight lines 2013/14
- Historical Swan Site
- Swan site recorded in Winter Survey Period 1: 2007/2008
- Swan Site recorded in Winter Survey Period 2: 2008/2009
- Swan Site recorded in Winter Survey Period 3: 2009/2010
- Swan Site recorded in Winter Survey Period 4: 2010/2011
- Swan Site recorded in Winter Survey Period 5: 2011/2012
- Swan Site recorded in Winter Survey Period 6: 2012/2013
- Swan Site recorded in Winter Survey Period 7: 2013/2014
- Sensitive Ecological Receptors
- Proposed Natural Heritage Area (pNHA)
- Site of Local Nature Conservation Importance (NI)

Geology

- Geological Interest Site (identified by GSI)
- Area of Special Scientific Interest (NI)
- Geological Interest Site (surveyed by GSI)

Landscape

- Scenic Routes
- Areas of Special Landscape Interest
- Area of Primary Amenity Value
- Area of Secondary Amenity Value
- Lakeside Amenity Area
- Views from Scenic Routes (Monaghan County Development Plan 2013-2019)
- Scenic View Points for County Meath
- Scenic View Point for County Cavan
- Area of Special Landscape Interest
- High Landscape Value Area

Infrastructure

- Planning Permission Granted for new 38 kV Line
- Planning Permission Granted for new 38 kV Corridor
- 38 kV line
- 110 kV line
- 220 kV line
- National Road
- Gas Pipeline – considered but not shown
- Windfarm
- Gas Stations – considered but not shown
- Electricity Station

Cultural Heritage

- Monuments Covered by Preservation Orders
- National Inventory of Architectural Heritage (NIAH)
- National Monuments/Scheduled Monuments (NI)
- Potential National Monument
- Record of Protected Structures (ROI)/Listed buildings (NI)
- Industrial Heritage (NI)
- Record of Monuments and Places (RMP)/Sites and Monuments Record (SMR)
- Battle of Clontibret Site (1595)
- Architectural Conservation Areas (ACA)
- Demesne Landscapes and Historic Gardens

Miscellaneous

- Forest Park
- Railway
- Lake / Lough
- Major river
- Existing Paths and Cycle Routes
- Monaghan Way
- Urban areas

NOTES:
1. Transmission line and towers not to be scaled
2. Discovery Series tiles used: OS2628, OS2630, OS2632, OS2828, OS2830, OS2832
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0 0.5 1 2 3 4
Kilometers

KEY PLAN:

MT-002-001
MT-002-002
MT-002-003

Tower 237 marks the termination of the CMSA section and the commencement of the MSA section of the line route (Refer to Planning Drawing Reference: MT-002-002 for continuation of line)

CLIENT: EIRGRID

PROJECT: **North South 400 kV Interconnection Development**

DRAWING TITLE: **CMSA Line Route Map - Constraints 1:50,000 - Planning Drawing**

PRODUCTION UNIT: **High Voltage Engineering**

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Registered Office: as above Registered in Ireland No. 155249

DRAWN	PRODUCED	VERIFIED	APPROVED	APPD DATE
DOS	DOS	KC	BA	Apr - 15

PLANNING DRAWING REFERENCE.	NO. OF SHTS	SIZE	SCALE
MT-002-001	1 of 3	A1	1:50,000

DRAWING NUMBER: PE687-D141-129-001-008 SHEET REV

Legend

- Proposed Angle Tower Location
- Proposed Line Route
- Proposed Alterations to Existing Electricity Line

Ecology

- Swan flight lines 2007/08
- Swan flight lines 2008/09
- Swan flight lines 2009/10
- Swan flight lines 2010/11
- Swan flight lines 2011/12
- Swan flight lines 2012/13
- Swan flight lines 2013/14
- Historical Swan Site
- Swan Site recorded in Winter Survey Period 1: 2007/2008
- Swan Site recorded in Winter Survey Period 2: 2008/2009
- Swan Site recorded in Winter Survey Period 3: 2009/2010
- Swan Sites recorded in Winter Survey Period 4 : 2010/2011
- Swan Site recorded in Winter Survey Period 5: 2011/2012
- Swan Site recorded in Winter Survey Period 6: 2012/2013
- Swan Site recorded in Winter Survey Period 7: 2013/2014
- Sensitive Ecological Receptors
- Natural Heritage Area (NHA)
- Proposed Natural Heritage Area (pNHA)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)

Geology

- Geological Interest Site (identified by GSI)
- Geological Interest Site (surveyed by GSI)

Landscape

- Boyne Valley Sites
- Meath Landmarks
- Draft Landscape Conservation Area
- Meath Landscapes of Exceptional Value
- Meath High Sensitivity Landscape
- Areas of Potential Tourism
- Scenic Viewpoints for County Meath

Infrastructure

- 38 kV line
- 110 kV line
- 220 kV line
- National Road
- Motorway
- Gas Pipeline – Considered but not shown
- East-West Interconnector
- Windfarm
- Gas Stations – Considered but not shown
- Electricity Station

Cultural Heritage

- Monuments Covered by Preservation Orders
- National Inventory of Architectural Heritage (NIAH)
- National Monuments
- Potential National Monument
- Record of Protected Structures (ROI)
- Record of Monuments and Places(RMP)/Sites and Monuments Record (SMR)
- Architectural Conservation Area (ACA)
- Demesne Landscapes and Historic Gardens
- Bru na Boinne

Miscellaneous

- Railway
- Planned Navan Line (Disused Railway Track)
- Boyne Valley Driving Route
- Meath Existing Driving Routes
- Meath Existing Paths and Cycling Routes
- Meath Potential Paths and Cycling Routes
- Major river
- Lake/Lough
- Urban areas

Tower 237 marks the termination of the MSA section and the commencement of the CMSA section of the line route (Refer to Planning Drawing Reference: MT-002-001 for continuation of line)

Arva - Navan 110 kV Line

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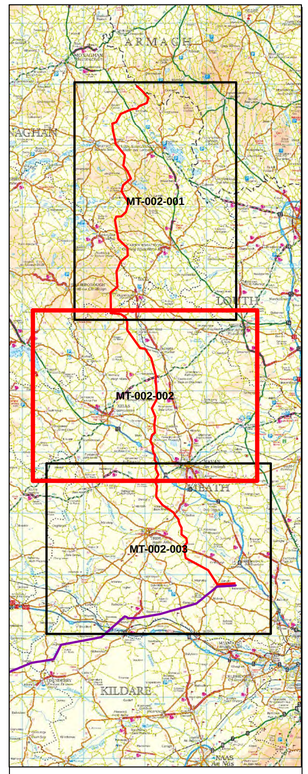

NOTES:
1. Transmission line and towers not to be scaled
2. Discovery Series tiles used: OS2628, OS2626, OS2826, OS2828

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Kilometres

D	APR 2015	Issued	G.F.	D.G./M.N.
C	DEC 2014	Issued	G.F.	D.G
B	JUL 2014	Issued	M.N.	D.G./M.N.
A	JAN 2014	Issued	M.S.	D.G./M.N.
Issue	Date	Description	By	Chkd.

Client: EIRGRID

Project:

NORTH SOUTH 400 kV INTERCONNECTION DEVELOPMENT

Title:

MSA Line Route Map - Constraints
1:50,000 Planning Drawing
Sheet 2 of 3

Scale @ A1: 1:50,000

Prepared by:	Checked:	Date:
G.Fil	O.McAlister	April 2015

Project Director: Damien Grehan

Planning Dwg Ref: MT-002-002

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Drawing No.: 6244-1000

Issue: D

Legend

- Proposed Angle Tower Location
- Existing End Tower
- Proposed Line Route
- Existing 400 kV Double circuit Line
- Existing Oldstreet-Woodland 400 kV Line
- Woodland Substation Planning Area
- Existing Woodland Substation Boundary
- ESB Property Boundary

Ecology

- Swan flight lines 2007/08
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- Swan flight lines 2009/10
- Swan flight lines 2010/11
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- Swan flight lines 2013/14
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- Swan Sites recorded in Winter Survey Period 4 : 2010/2011
- Swan Site recorded in Winter Survey Period 5: 2011/2012
- Swan Site recorded in Winter Survey Period 6: 2012/2013
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- Proposed Natural Heritage Area (pNHA)
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- Special Protection Area (SPA)

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- Meath High Sensitivity Landscape
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- Scenic Viewpoints for County Meath

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- 110 kV line
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- Gas Stations – Considered but not shown
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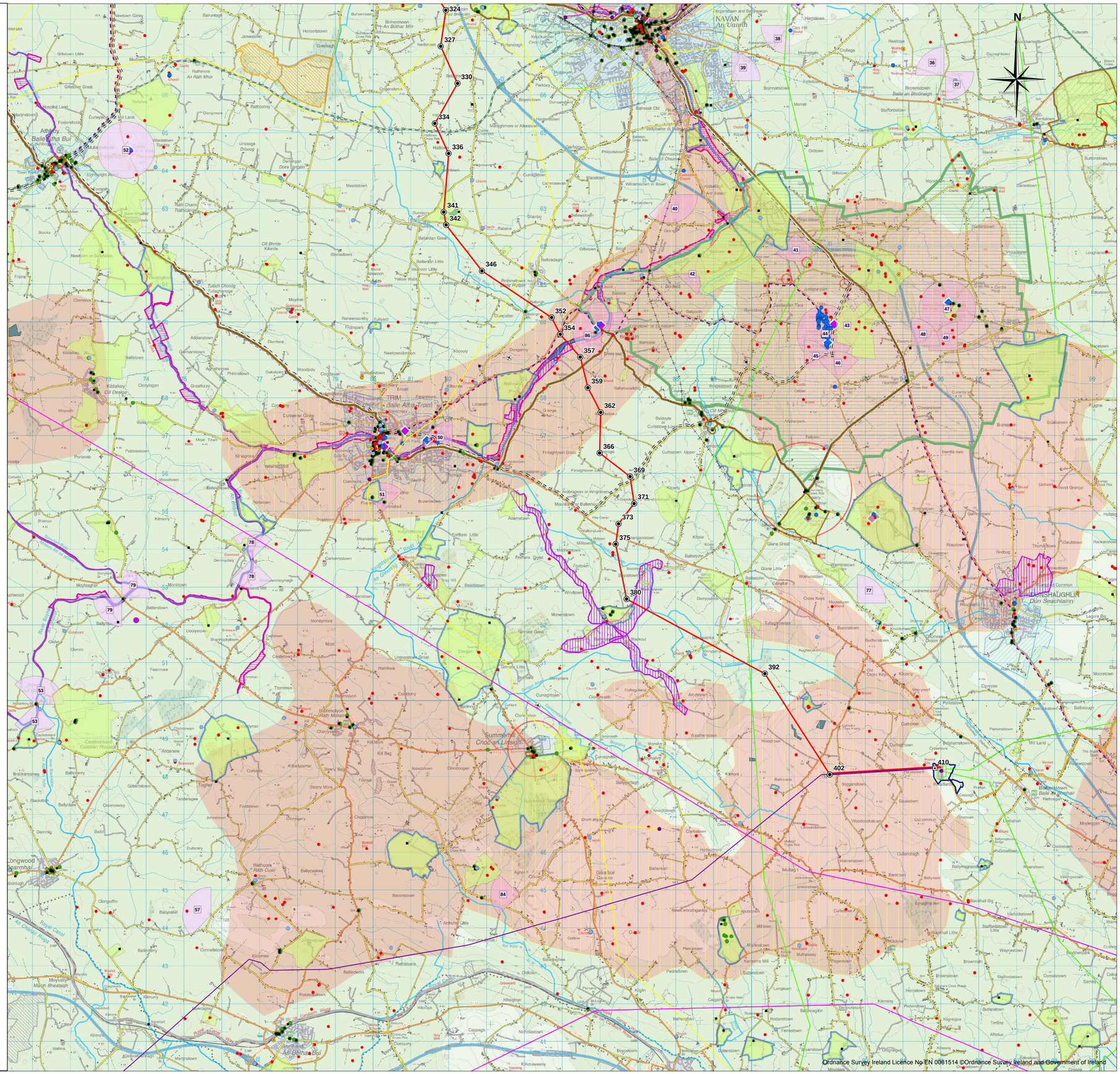
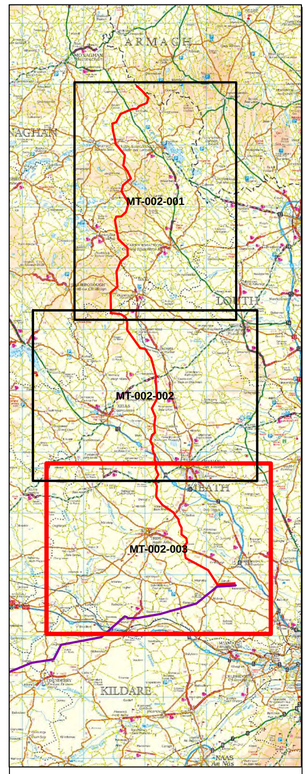
- Meath Existing Driving Routes
- Meath Existing Paths and Cycling Routes
- Meath Potential Paths and Cycling Routes
- Major river
- Lake/Lough
- Urban areas





NOTES:
1. Transmission line and towers not to be scaled
2. Discovery Series Tiles used: OS2826, OS2626, OS2624, OS2824

0 0.5 1 2 3 4
Kilometres

Issue	Date	Description	By	Chkd.
C	DEC 2014	Issued	G.F.	D.G
B	JUL 2014	Issued	M.N.	D.G./M.N.
A	JAN 2014	Issued	M.S.	D.G./M.N.

Client: EIRGRID

Project:
NORTH SOUTH 400 kV INTERCONNECTION DEVELOPMENT

Title:
MSA Line Route Map - Constraints
1:50 000 Planning Drawing
Sheet 3 of 3

Scale @ A1: 1:50,000

Prepared by:	Checked:	Date:
G.Fil	O.McAlister	December 2014

Project Director: Damien Grehan

Planning Dwg Ref: MT-002-003

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Drawing No.: 6244-1001

Issue: C

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