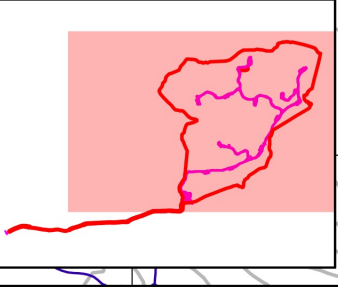


Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Across Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



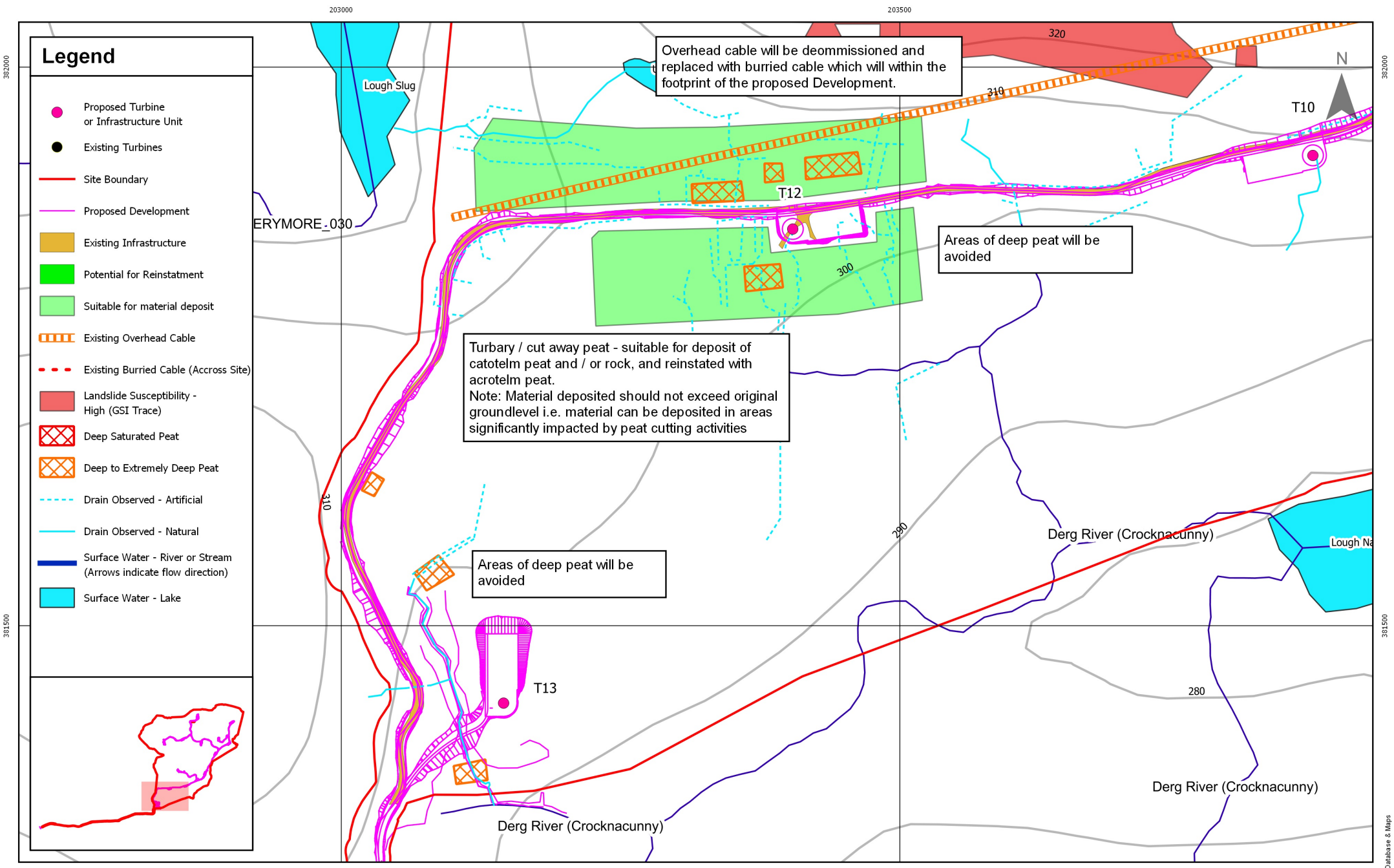
| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |

0 0.2 0.4 0.6 km

References:
Geological Services Ireland (GSI)
Environmental Protection Agency (EPA)

Barmore Windfarm Repowering
Technical Appendix 8.4
Constraints / Mapped Impacts - Overview

| | | |
|------------------------------------|--|-----------------------------------|
| Drwning Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:17,500 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |

0 50 100 m

References:
 Geological Services Ireland (GSI)
 Environmental Protection Agency (EPA)

Barnesmore Windfarm Repowering
 Technical Appendix 8.4
 Constraints / Mapped Impacts - Tile 1

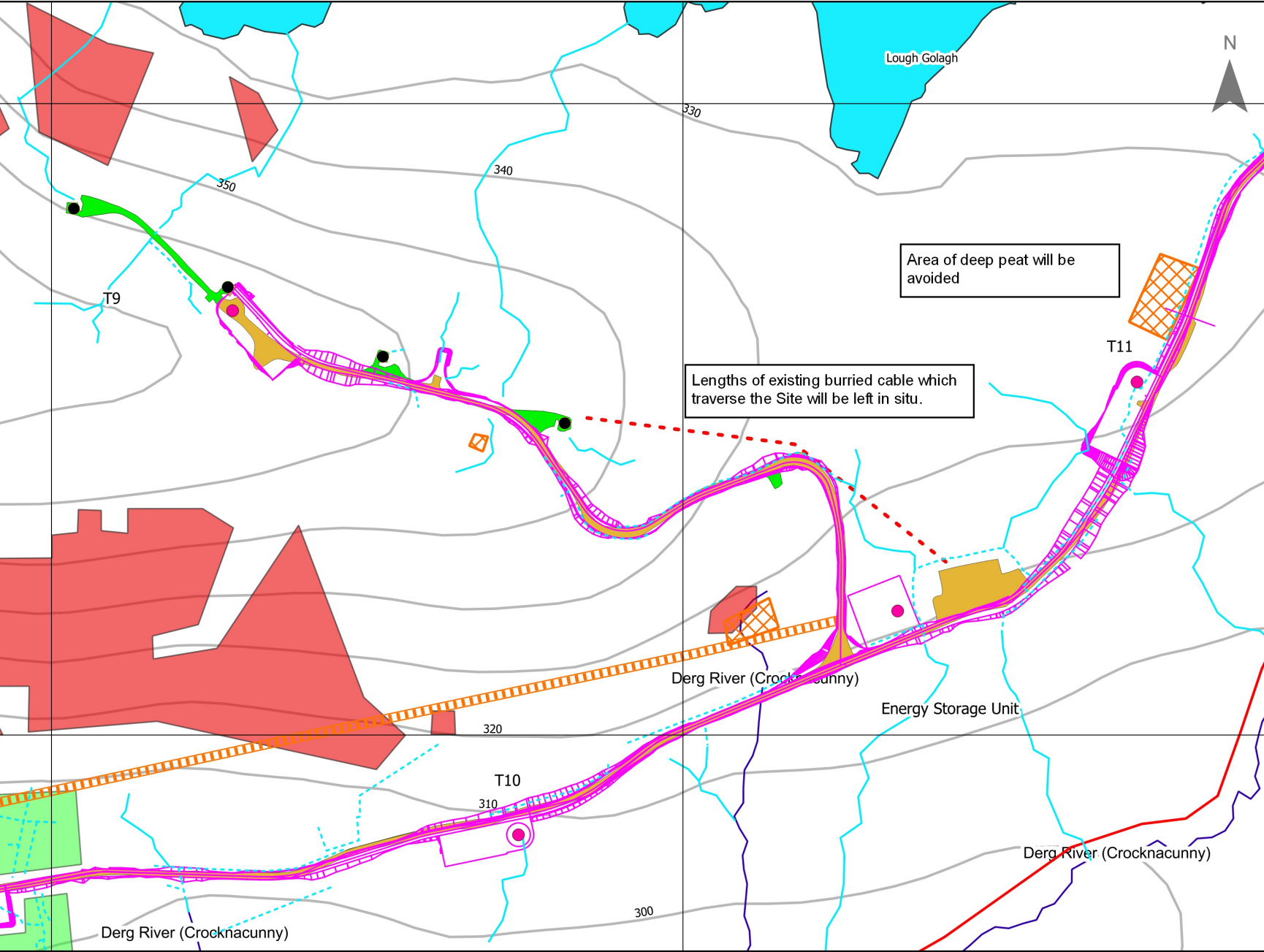
| | | |
|------------------------------------|--|-----------------------------------|
| Drwaing Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:4,375 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |

203500

204000

Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Across Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



382500

382500

382000

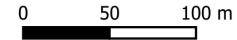
382000

203500

204000



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |



References:
 Geological Services Ireland (GSI)
 Environmental Protection Agency (EPA)

Barnesmore Windfarm Repowering

Technical Appendix 8.4

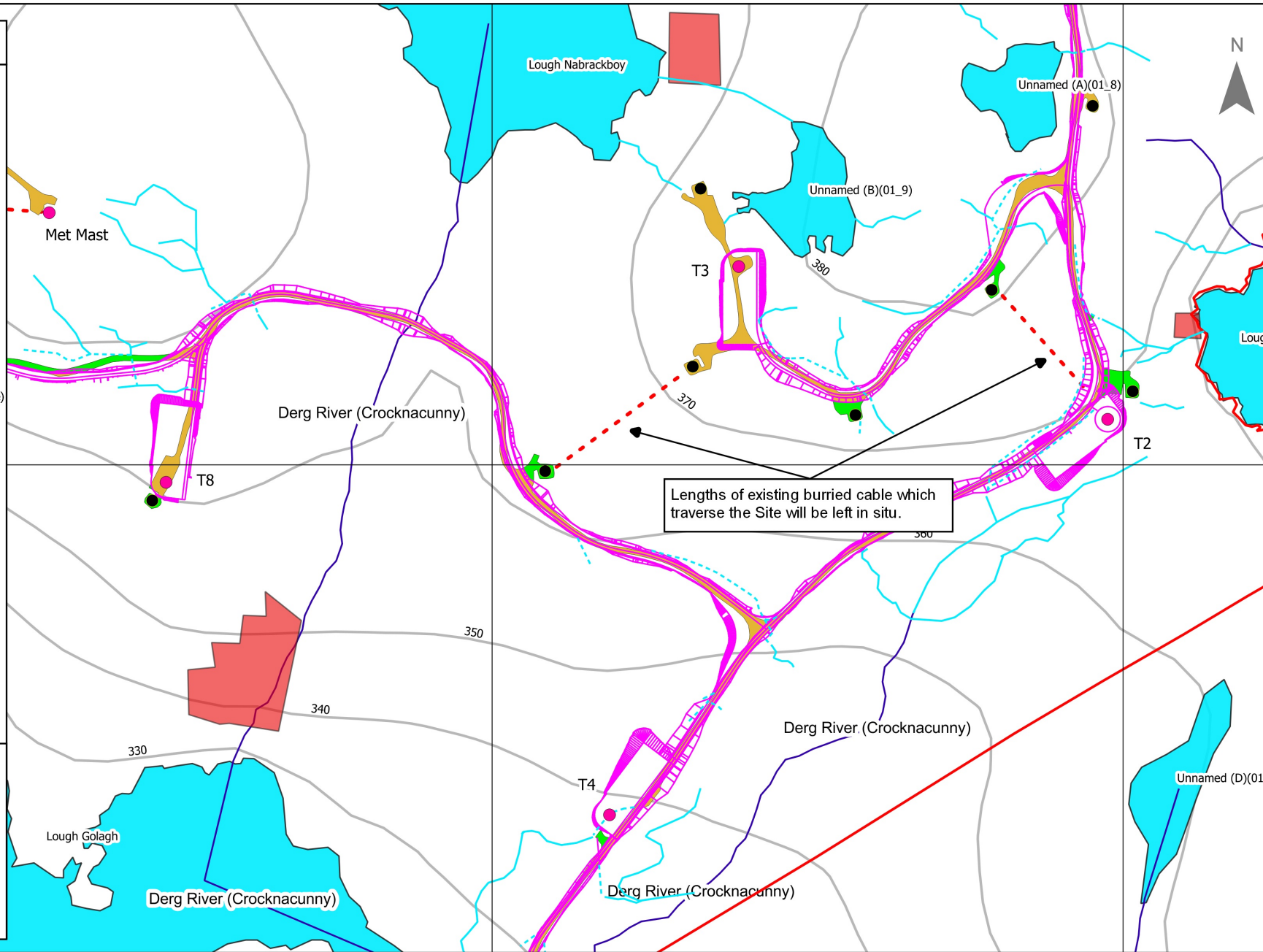
Constraints / Mapped Impacts - Tile 2

| | | |
|------------------------------------|--|-----------------------------------|
| Drwaing Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:4,375 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |

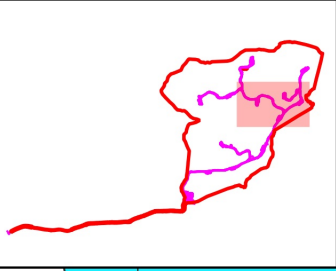
3006-008
Slope Stability Risk-Assessment Database & Maps

Legend

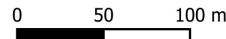
- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Across Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



Lengths of existing burried cable which traverse the Site will be left in situ.



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |



References:
 Geological Services Ireland (GSI)
 Environmental Protection Agency (EPA)

Barnesmore Windfarm Repowering

Technical Appendix 8.4
 Constraints / Mapped Impacts - Tile 3

Drawing Number:
3006-008

Datum: TM65
Projection: Irish Grid TNM65

Scale @ A3:
1:4,375

Drawing Produced by:
Minerex Environmental Ltd.
www.minerex.ie

204500

205000



Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Accross Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake

LOWERYMORE_020

Lough Nabrackboy

Derg River (Crocknacunny)

Unnamed (B)(01_9)

Unnamed (A)(01_8)

Glendergan River

Loughnaweelagh
Glendergan River

Crocknacunny)

T3

T2

T1

Lengths of existing burried cable which traverse the Site will be left in situ.

383500

383500

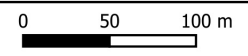
383000

204500

205000



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |



References:
 Geological Services Ireland (GSI)
 Environmental Protection Agency (EPA)

Barnesmore Windfarm Repowering

Technical Appendix 8.4
 Constraints / Mapped Impacts - Tile 4

Drawing Number:
3006-008

Datum:
TM65

Projection:
Irish Grid
TNM65

Scale @ A3:
1:4,375

Drawing Produced by:
Minerex Environmental Ltd.
www.minerex.ie

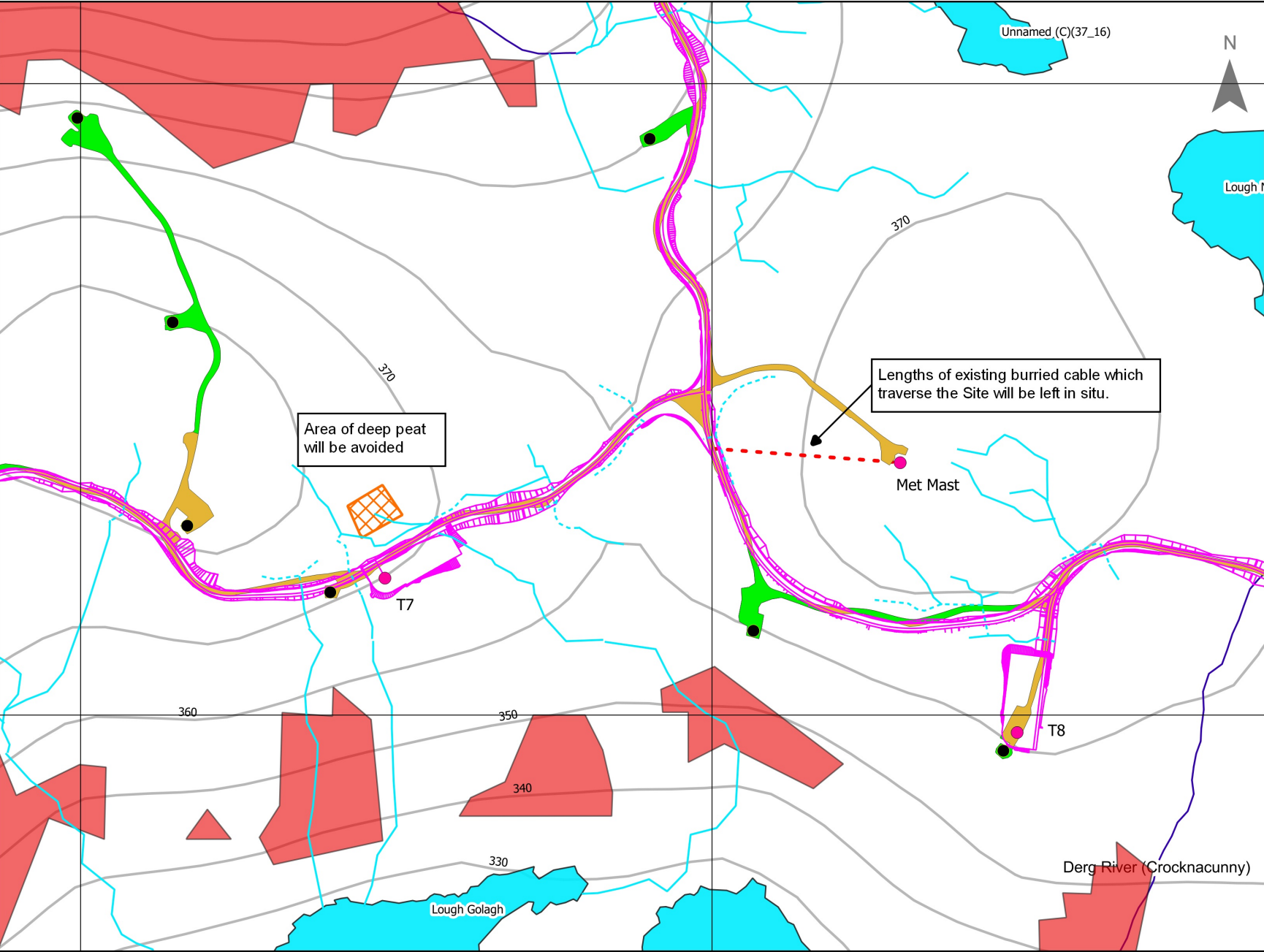
3006-008
Slope Stability Risk-Assessment Database

203500

204000

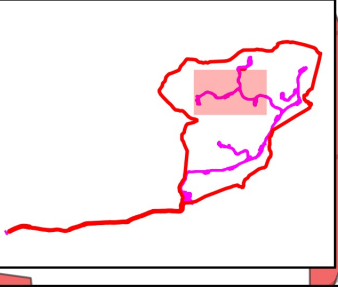
Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Across Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



Area of deep peat will be avoided

Lengths of existing burried cable which traverse the Site will be left in situ.



203500

204000



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |

0 50 100 m

References:
Geological Services Ireland (GSI)
Environmental Protection Agency (EPA)

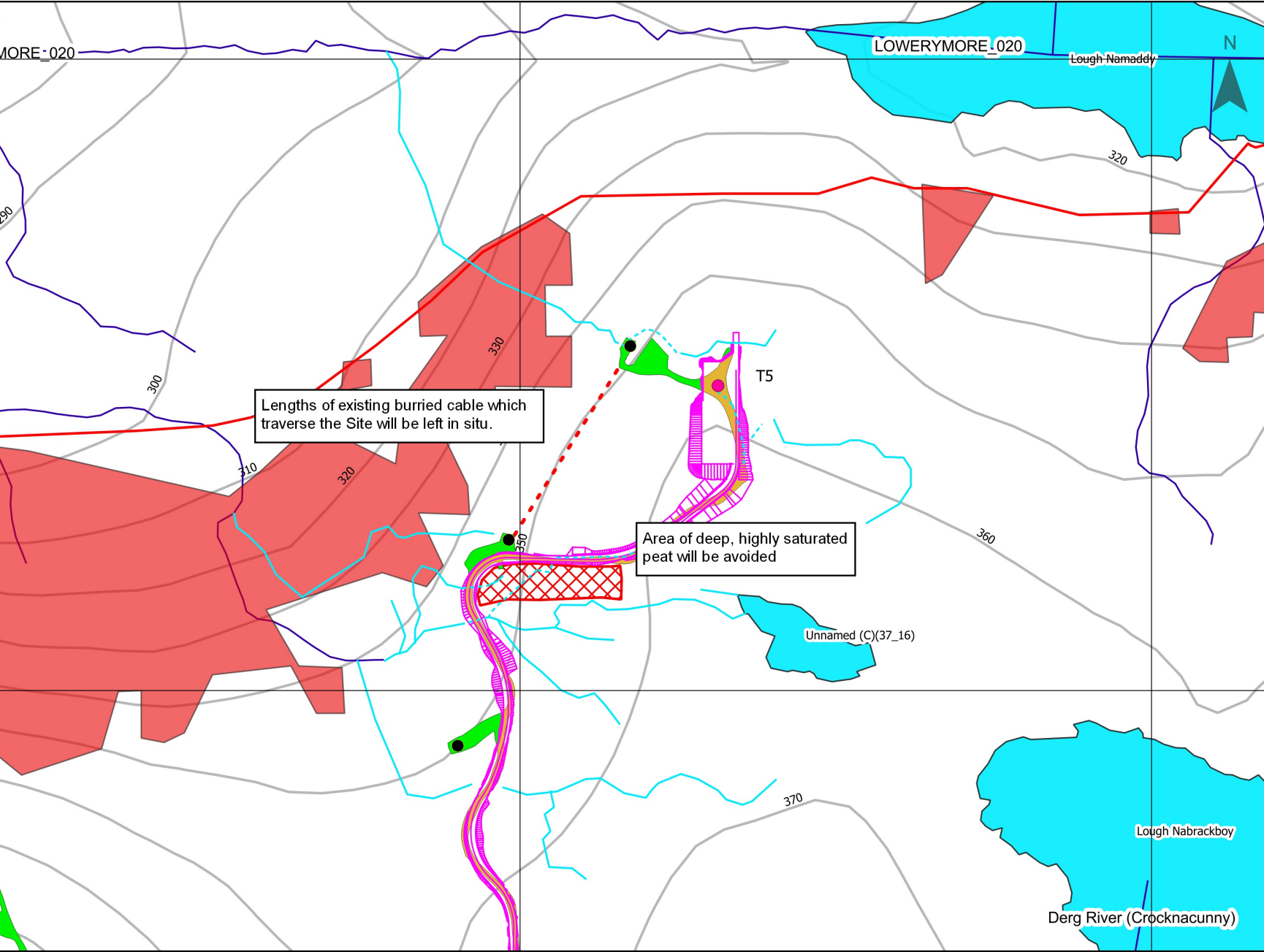
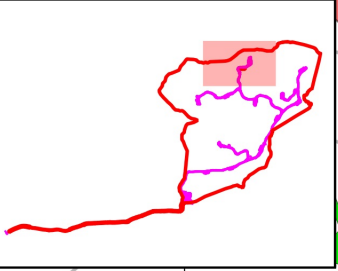
Barnesmore Windfarm Repowering
Technical Appendix 8.4
Constraints / Mapped Impacts - Tile 5

| | | |
|------------------------------------|--|-----------------------------------|
| Drwaing Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:4,375 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |

3006-008 Slope Stability Risk-Assessment Database & Maps

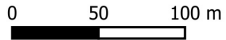
Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Across Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



Lengths of existing burried cable which traverse the Site will be left in situ.

Area of deep, highly saturated peat will be avoided



Barnesmore Windfarm Repowering

Technical Appendix 8.4
Constraints / Mapped Impacts - Tile 6

| | | |
|------------------------------------|--|-----------------------------------|
| Drawing Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:4,375 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |

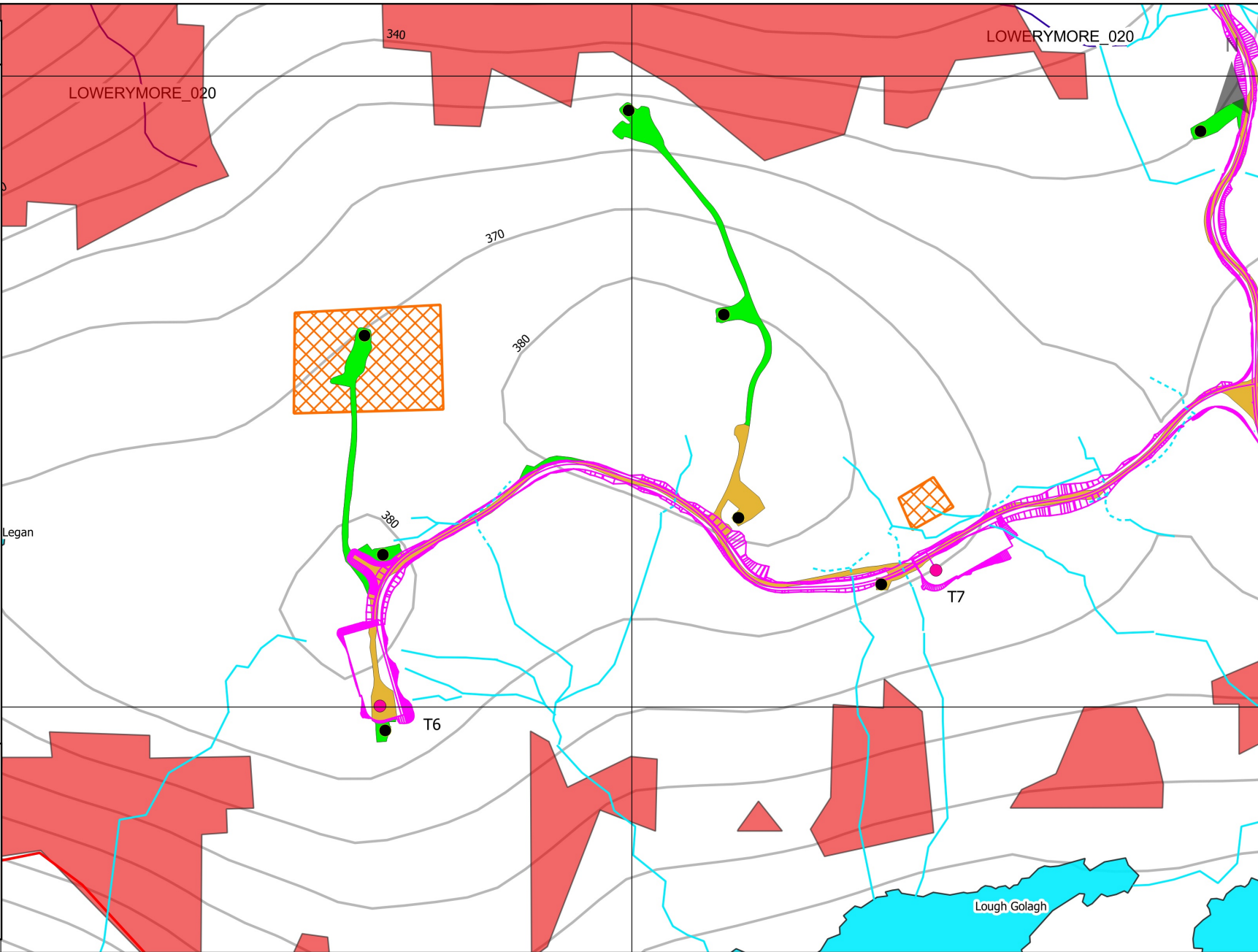
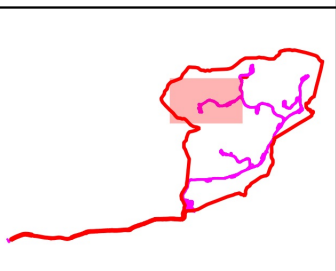
| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |

References:
Geological Services Ireland (GSI)
Environmental Protection Agency (EPA)

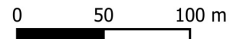


Legend

- Proposed Turbine or Infrastructure Unit
- Existing Turbines
- Site Boundary
- Proposed Development
- Existing Infrastructure
- Potential for Reinstatement
- Suitable for material deposit
- Existing Overhead Cable
- Existing Burried Cable (Accross Site)
- Landslide Susceptibility - High (GSI Trace)
- Deep Saturated Peat
- Deep to Extremely Deep Peat
- Drain Observed - Artificial
- Drain Observed - Natural
- Surface Water - River or Stream (Arrows indicate flow direction)
- Surface Water - Lake



| Rev | Date | By | Comment |
|-----|----------|----|---------|
| 0 | 18/12/19 | SK | |



References:
 Geological Services Ireland (GSI)
 Environmental Protection Agency (EPA)

Barnesmore Windfarm Repowering

Technical Appendix 8.4

Constraints / Mapped Impacts - Tile 7

| | | |
|------------------------------------|--|-----------------------------------|
| Drawing Number: 3006-008 | Datum TM65 | Projection Irish Grid TNM65 |
| Scale @ A3 1:4,375 | Drawing Produced by Minerex Environmental Ltd. www.minerex.ie | |