



Tionscaldal Éireann
Project Ireland
2040

DART+ Programme

DART+ Maynooth Line

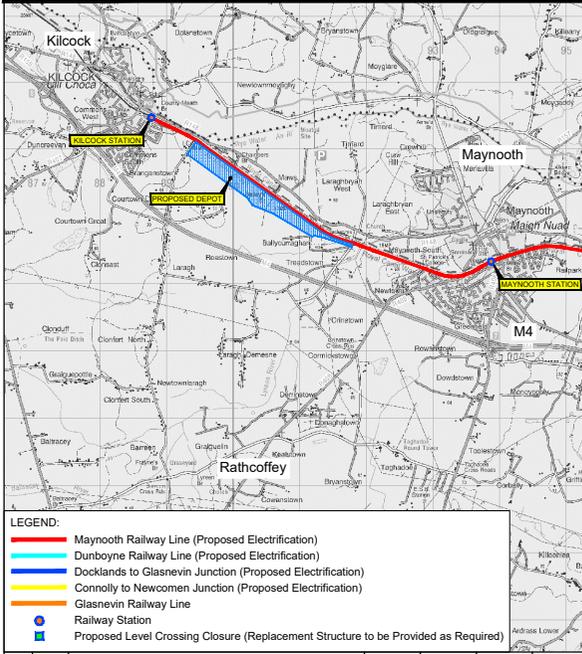
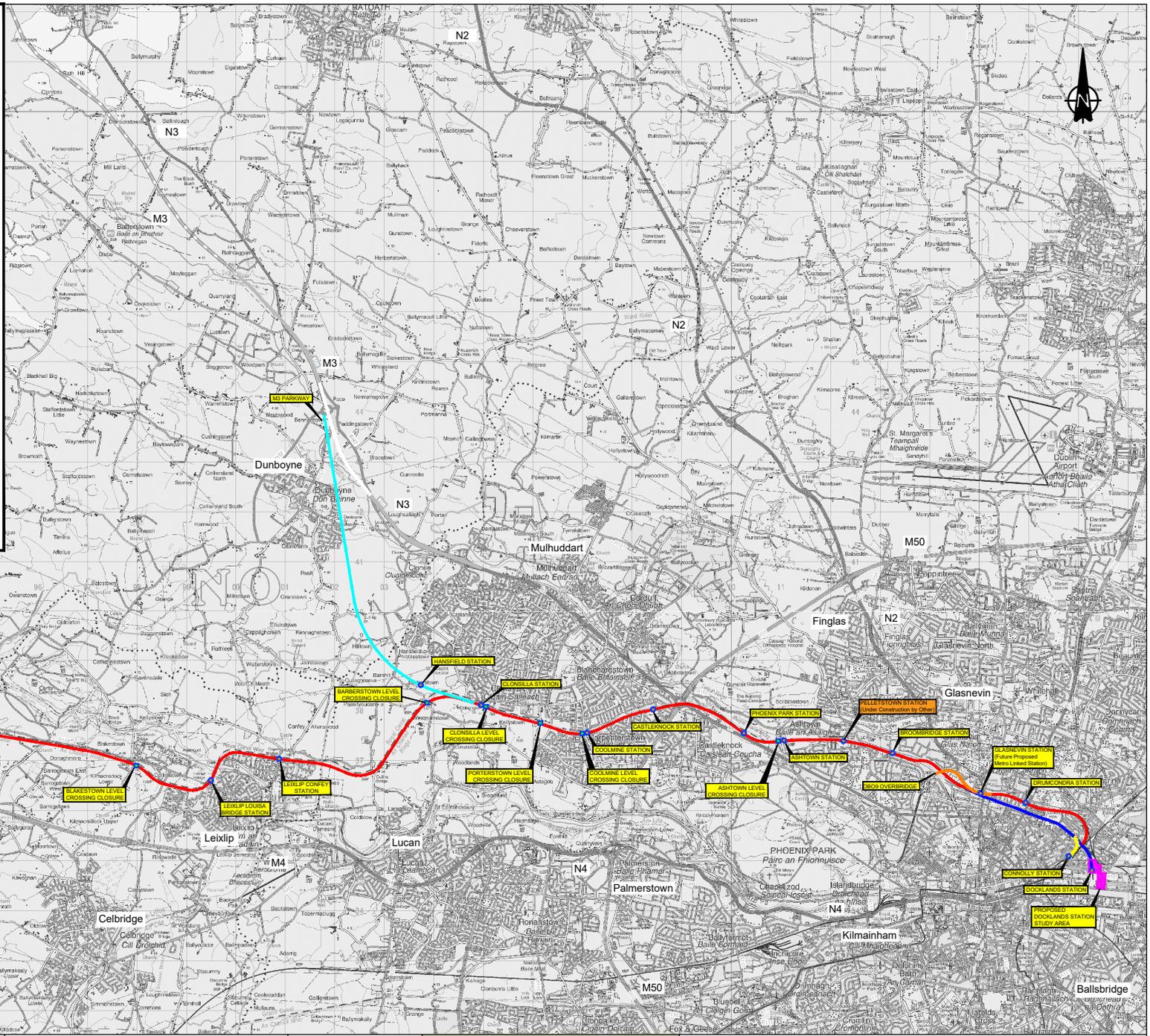
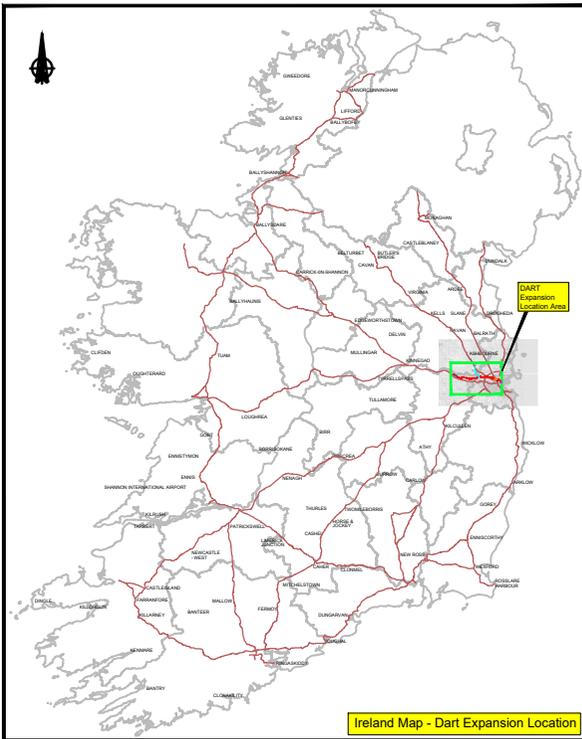


Preliminary Options Selection Report - Volume 2: Drawings

ENVIRONMENTAL (GENERAL) DRAWINGS

MAY-MDC-ENV-ROUT-DR-EN-0001	Preliminary Options Selection - Location Plan
MAY-MDC-ENV-ROUT-DR-EN-0002	Preliminary Options Selection - Road Network & Rivers
MAY-MDC-ENV-ROUT-DR-EN-0003	Preliminary Options Selection - Bedrock Types
MAY-MDC-ENV-ROUT-DR-EN-0004	Preliminary Options Selection - Quaternary Geology
MAY-MDC-ENV-ROUT-DR-EN-0005	Preliminary Options Selection - Groundwater Vulnerability
MAY-MDC-ENV-ROUT-DR-EN-0006	Preliminary Options Selection - Aquifer Bed
MAY-MDC-ENV-ROUT-DR-EN-0007	Preliminary Options Selection - Source Protection Areas
MAY-MDC-ENV-ROUT-DR-EN-0008	Preliminary Options Selection – European Designated Sites
MAY-MDC-ENV-ROUT-DR-EN-0009	Preliminary Options Selection – Natural Heritage Areas and proposed Natural Heritage Areas
MAY-MDC-ENV-ROUT-DR-EN-1100	Preliminary Options Selection – Planning Policy (Development Plan Zoning)



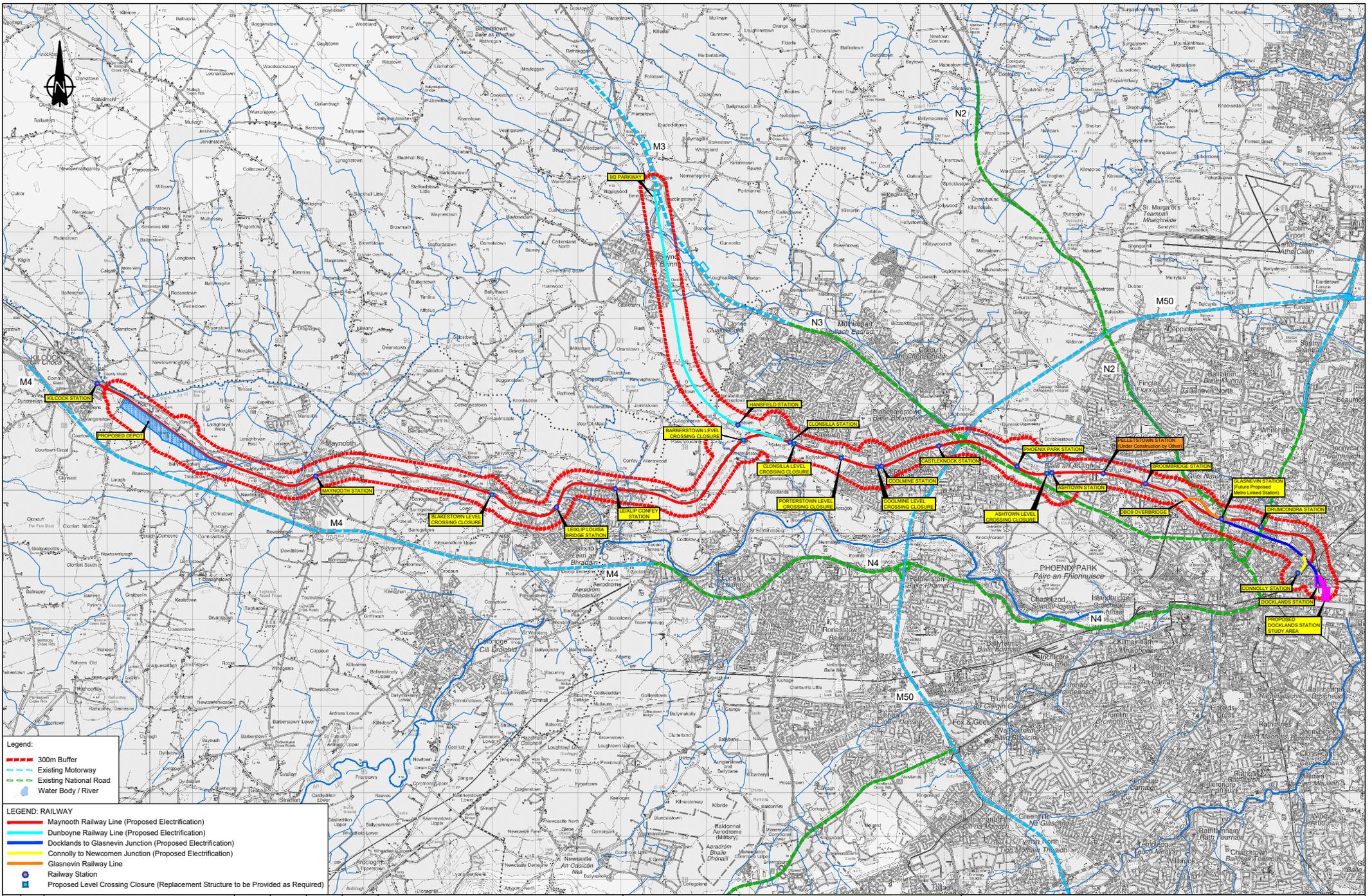


LEGEND:

- Maynooth Railway Line (Proposed Electrification)
- Dunboyne Railway Line (Proposed Electrification)
- Docklands to Glasnevin Junction (Proposed Electrification)
- Connolly to Newcomen Junction (Proposed Electrification)
- Glasnevin Railway Line
- Railway Station
- Proposed Level Crossing Closure (Replacement Structure to be Provided as Required)

REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

<p>Client</p>	<p>Project</p>	<p>Drawing Title</p> <p style="text-align: center;">LOCATION PLAN</p>			
<p>Consultant</p>	<p>Drawing Number</p> <p>MAY MDC ENV ROUT DR EN 0001</p>	<p>Drawing Number Project Originator Discipline Location Type Role Number Drawn By Checked By Reviewed By Approved By</p> <p>MAY MDC ENV ROUT DR EN 0001 KH FOK BC MK</p>			
<p>Scale: 1:40000 @ A1</p>	<p>Date: JUNE 2020</p>	<p>Job No: 19157</p>	<p>Status: S3 - Review & Comment</p>	<p>Rev: PO</p>	<p>Sheet: 1 of 1</p>



- Legend:**
- 300m Buffer
 - Existing Motorway
 - Existing National Road
 - Water Body / River

- LEGEND: RAILWAY**
- Maynooth Railway Line (Proposed Electrification)
 - Dunboyne Railway Line (Proposed Electrification)
 - Docklands to Glasnevin Junction (Proposed Electrification)
 - Connolly to Newcomen Junction (Proposed Electrification)
 - Glasnevin Railway Line
 - Railway Station
 - Proposed Level Crossing Closure (Replacement Structure to be Provided as Required)

REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client: **NTA** (National Transport Authority)

Client: **Iarnród Éireann / Irish Rail**

Client: **Tionscail Éireann / Project Ireland 2040**

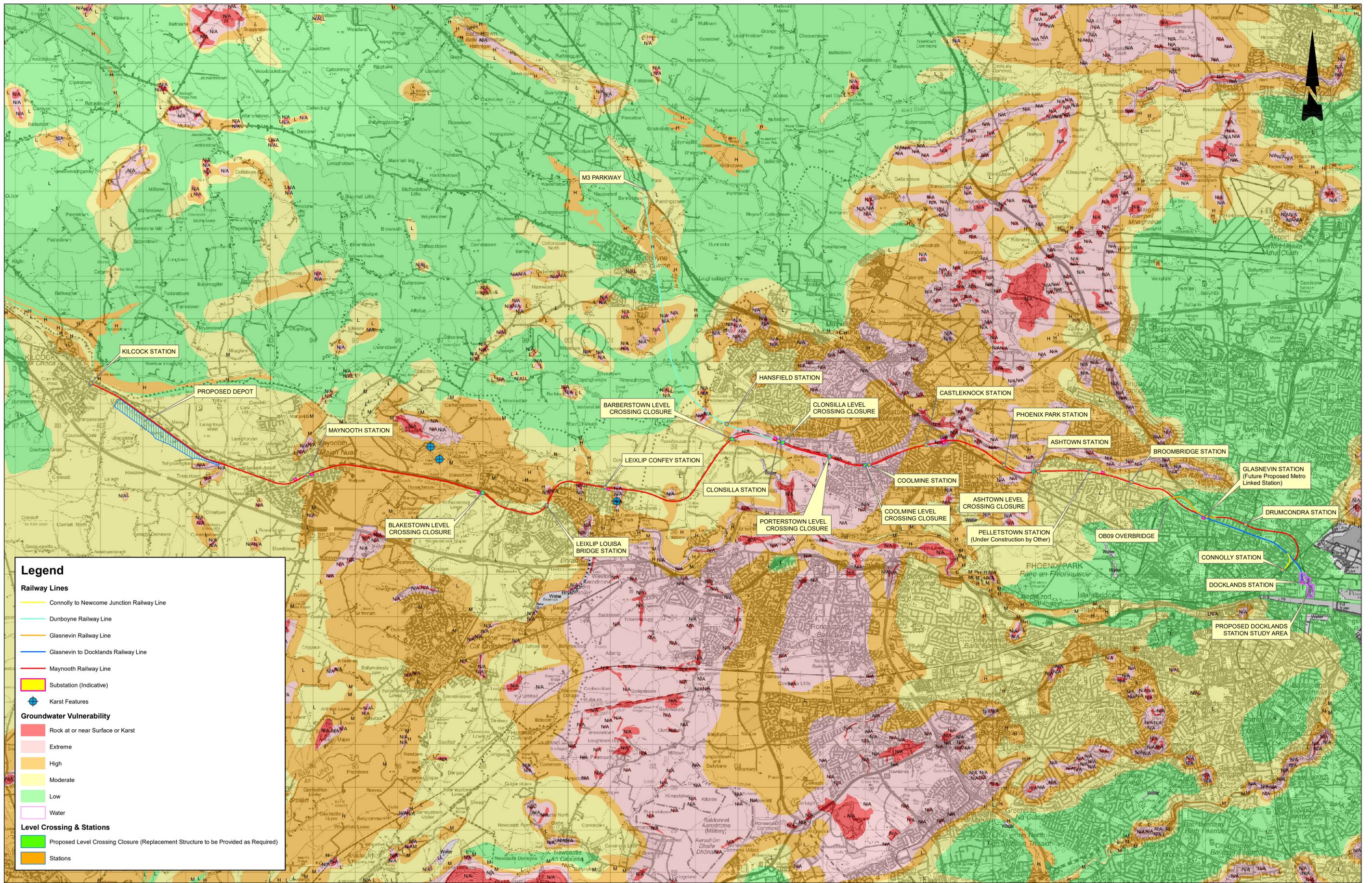
Consultant: **IDOM**, **C3**, **PROD**, **DART+ PROGRAMME**

Project: **DART+ MAYNOOTH LINE**

Drawing Title: **ROAD NETWORK AND RIVERS**

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
	MAY	MDC	ENV	ROUT	DR	EN	0002	KH	FOK	BC	MK

Scale: 1:40000 @ A1 | Date: JUN 2020 | Job No: 19157 | Status: S3 - Review & Comment | Rev: P0 | Sheet: 1 of 1



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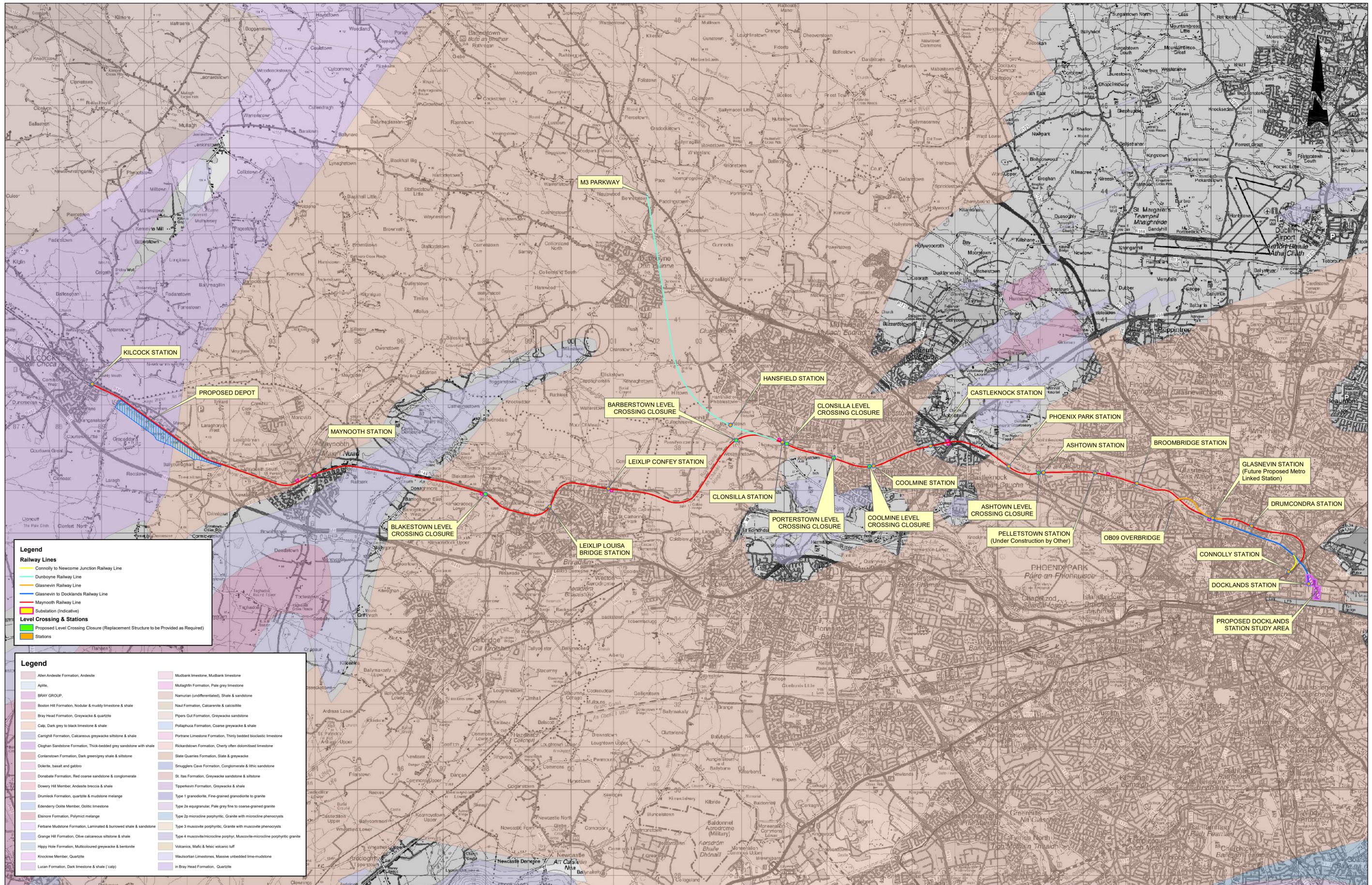
Client

Consultant

Project

Project

Drawing Title		GROUNDWATER VULNERABILITY & KARST FEATURES									
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
	MAY - MDC	ENV	ROUT	DR	EN		0005	MMC	PO'S	FOK	
Scale:	1:40,000	Date:	June 2020	Job No.:	19-157	Status:	S3 - Review & Comment	Rev.:		Sheet:	1 of



Legend

Railway Lines

- Connolly to Newcome Junction Railway Line
- Dunboyne Railway Line
- Glasnevin Railway Line
- Glasnevin to Docklands Railway Line
- Maynooth Railway Line
- Substation (Indicative)

Level Crossing & Stations

- Proposed Level Crossing Closure (Replacement Structure to be Provided as Required)
- Stations

Legend

Allen Andesite Formation, Andesite	Mudbank Limestone, Mudbank limestone
Aptite	Mullaghin Formation, Pale grey limestone
BRAY GROUP	Namurian (undifferentiated), Shale & sandstone
Boston Hill Formation, Nodular & muddy limestone & shale	Naaf Formation, Calcarenite & calcisiltite
Bray Head Formation, Greywacke & quartzite	Pipers Gut Formation, Greywacke sandstone
Cap, Dark grey to black limestone & shale	Poltsuca Formation, Coarse greywacke & shale
Carnhill Formation, Calcareous greywacke siltstone & shale	Portrane Limestone Formation, Thinly bedded bioclastic limestone
Cloghan Sandstone Formation, Thick-bedded grey sandstone with shale	Rickardstown Formation, Cherty often dolomitic limestone
Conlanstown Formation, Dark green-grey shale & siltstone	Slate Quarries Formation, Slate & greywacke
Dolerite, basalt and gabbro	Strugglers Cave Formation, Conglomerate & lithic sandstone
Donabate Formation, Red coarse sandstone & conglomerate	St. Ita's Formation, Greywacke sandstone & siltstone
Dowry Hill Member, Andesite breccia & shale	Tippekevin Formation, Greywacke & shale
Drumlick Formation, quartzite & mudstone melange	Type 1 granodiorite, Fine-grained granodiorite to granite
Enderberry Oxide Member, Oolitic limestone	Type 2a equigranular, Pale grey fine to coarse-grained granite
Elnore Formation, Polymict melange	Type 2b microcline porphyritic, Granite with microcline phenocrysts
Ferbane Mudstone Formation, Laminated & burrowed shale & sandstone	Type 3 muscovite porphyritic, Granite with muscovite phenocrysts
Grange Hill Formation, Olive calcareous siltstone & shale	Type 4 muscovite/microcline porphy., Muscovite-microcline porphyritic granite
Hippy Hole Formation, Multicoloured greywacke & bentonite	Volcanic, Mafic & felsic volcanic tuff
Knockree Member, Quartzite	Walsortian Limestones, Massive unbedded lime-mudstone
Lucan Formation, Dark limestone & shale (cap)	In Bray Head Formation, Quartzite

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Client

NTA
Udarás Náisiúnaí Iompair
National Transport Authority

Iarnród Éireann
Irish Rail

CIE

Consultant

IDOM

G3

PROD
ROUSHAN & O'DONOVAN

Tionscaldal Éireann
Project Ireland
2040

Project

DART+
MAYNOOTH LINE

Drawing Title

AQUIFER BED

Drawing Number

MAY - MDC - ENV - ROUT - DR - EN - 0006

Scale: 1:40,000

Date: June 2020

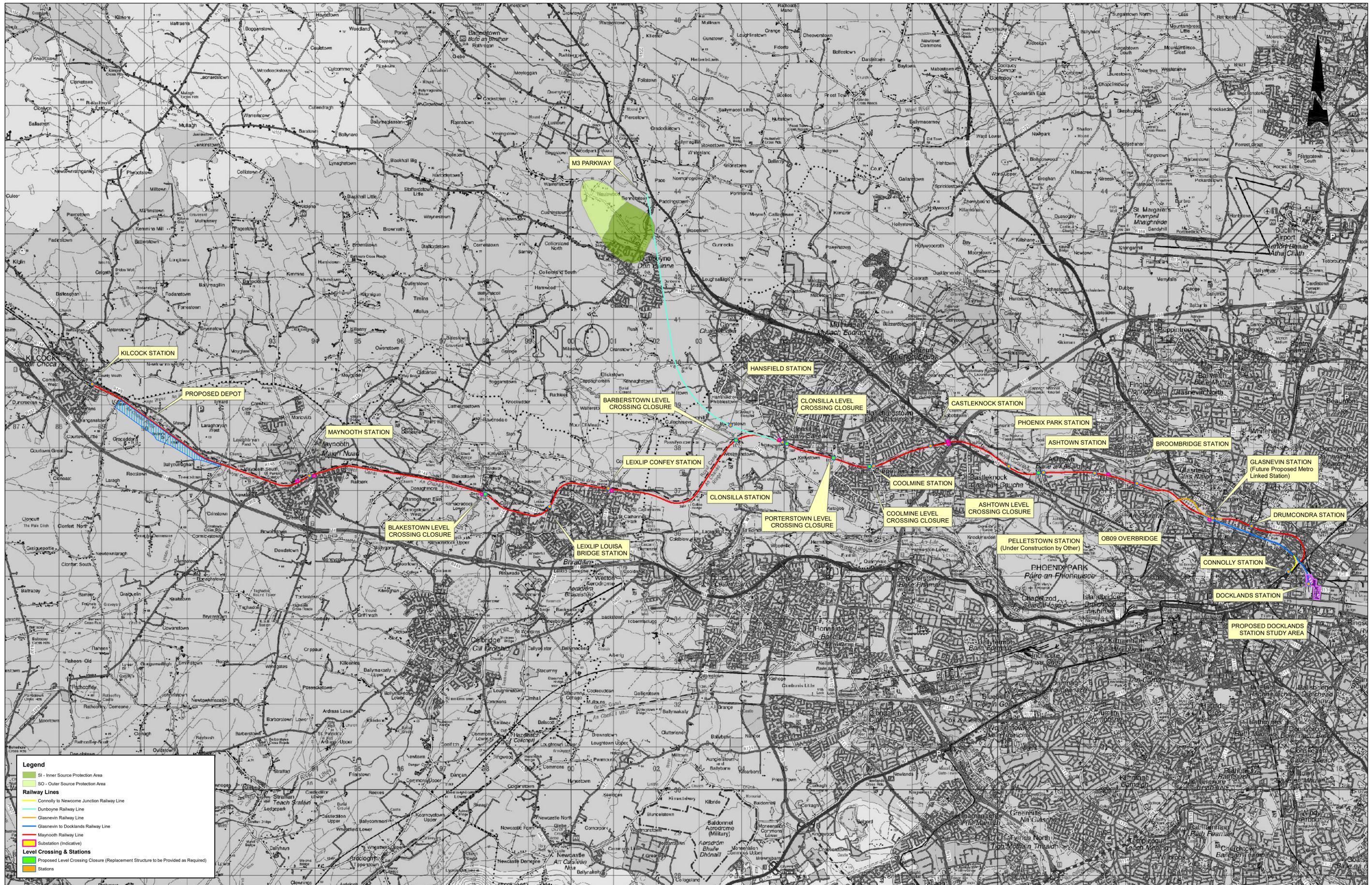
Job No: 19-157

Status: S3 - Review & Comment

Rev.

Sheet: 1 of

Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - MDC - ENV - ROUT - DR - EN - 0006	MMC	PO'S	FO'K							



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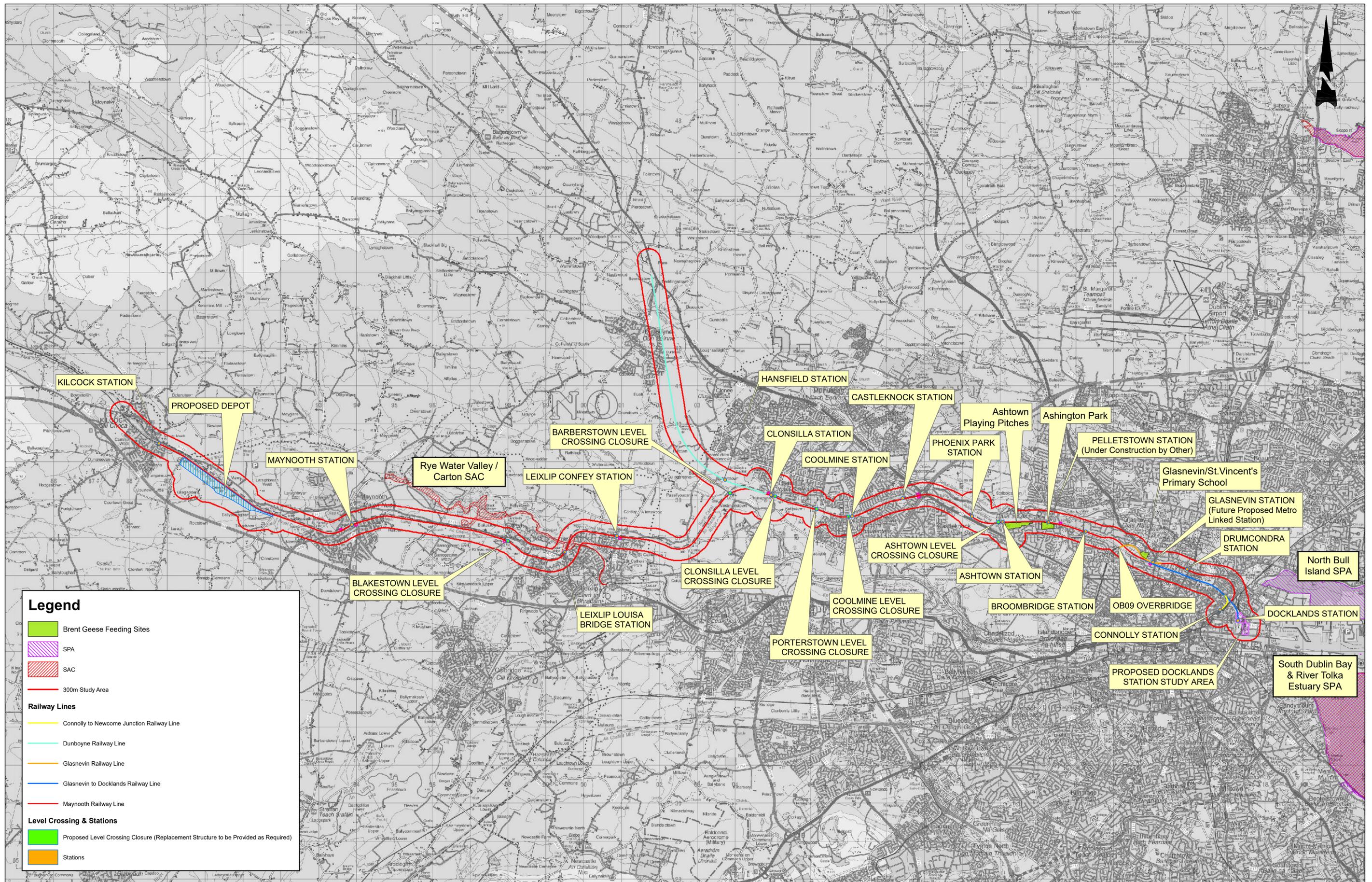
Client

Consultant

Project

Project

Drawing Title											
SOURCE PROTECTION											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - MDC - ENV - ROUT - DR - EN - 0007								MMC	PO'S	FO'K	
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Client: **NTA** (Udarás Náisiúnta Iomparáil National Transport Authority)

Project: **Iarnród Éireann Irish Rail** (CIE)

Project Ireland 2040

Consultant: **IDOM**, **C3**, **PROD** (ROUCHAN & O'DONOVAN)

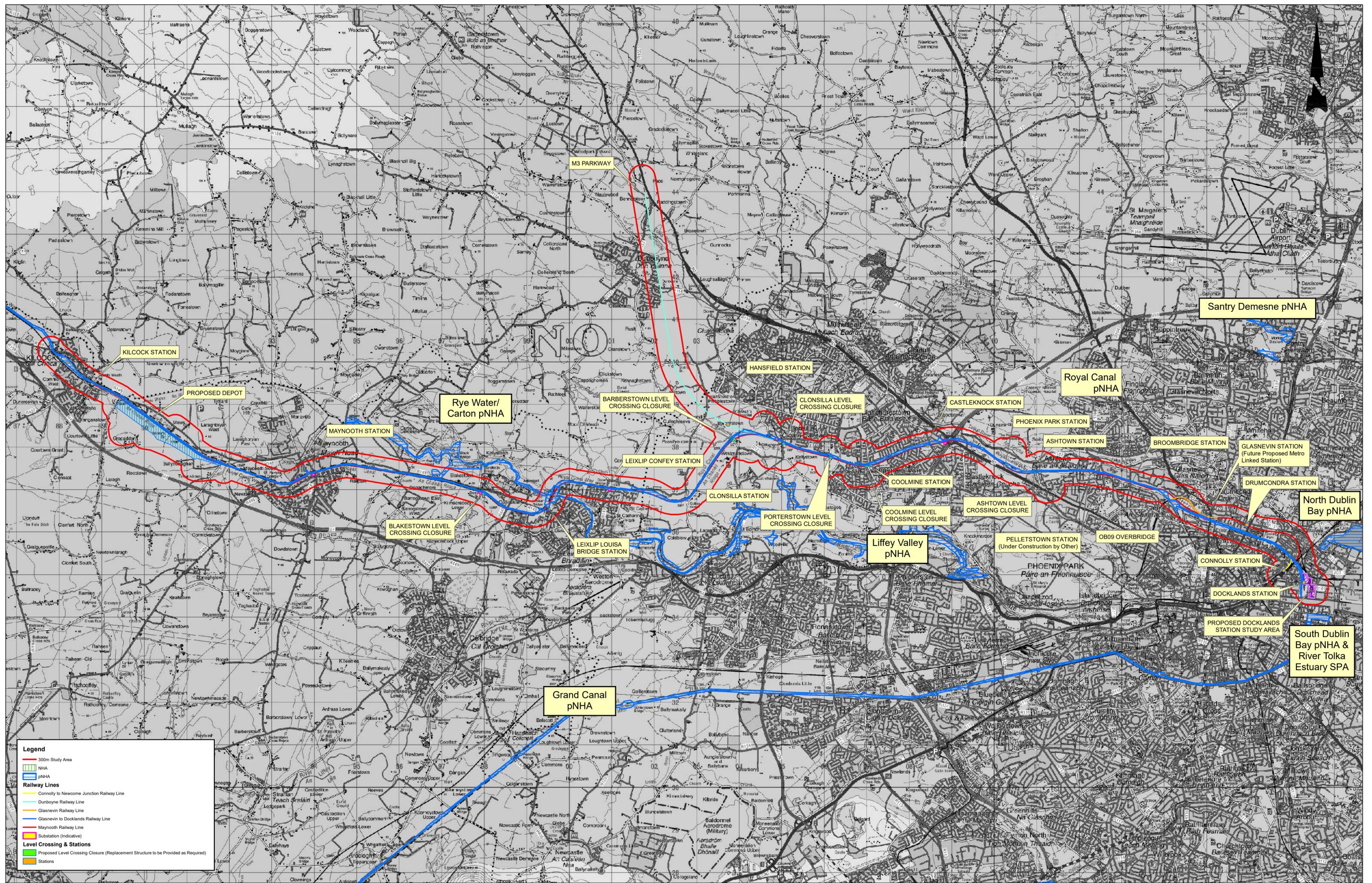
Project: **DART+ MAYNOOTH LINE**

Project: **DART+ MAYNOOTH LINE**

Drawing Title: **EUROPEAN DESIGNATED SITES**

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - MDC - ENV - ROUT - DR - EN - 0008	MAY	MDC	ENV	ROUT	DR	EN	0008	MMC	PO'S	FO'K	

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Client

Consultant

Project

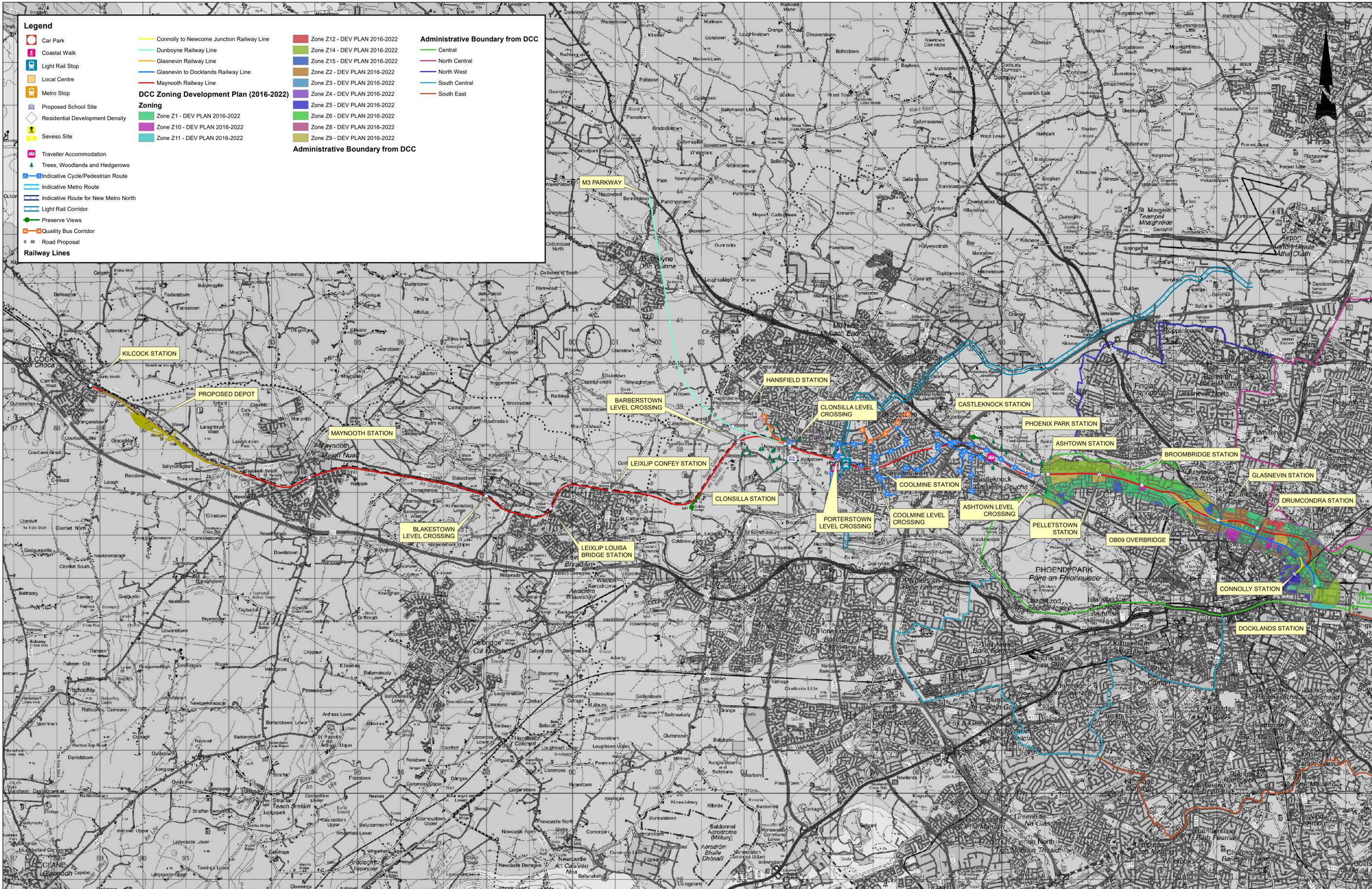
Drawing Title

NATURAL HERITAGE AREAS & PROPOSED NATURAL HERITAGE AREAS

Drawing Number

Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - MDC - ENV - ROUT - DR - EN -	0009	MMC	PO'S	FO'K						

Scale: 1:40,000 Date: June 2020 Job No: 19-157 Status: S3 - Review & Comment Rev: Sheet: 1 of



Legend

- Car Park
- Coastal Walk
- Light Rail Stop
- Local Centre
- Metro Stop
- Proposed School Site
- Residential Development Density
- Sesavo Site
- Traveller Accommodation
- Trees, Woodlands and Hedgerows
- Indicative Cycle/Pedestrian Route
- Indicative Metro Route
- Indicative Route for New Metro North
- Light Rail Corridor
- Preserve Views
- Quality Bus Corridor
- Road Proposal

Railway Lines

- Connolly to Newcome Junction Railway Line
- Dunboyne Railway Line
- Glasnevin Railway Line
- Glasnevin to Docklands Railway Line
- Maynooth Railway Line

DCC Zoning Development Plan (2016-2022)

Zoning

- Zone Z1 - DEV PLAN 2016-2022
- Zone Z2 - DEV PLAN 2016-2022
- Zone Z3 - DEV PLAN 2016-2022
- Zone Z4 - DEV PLAN 2016-2022
- Zone Z5 - DEV PLAN 2016-2022
- Zone Z6 - DEV PLAN 2016-2022
- Zone Z8 - DEV PLAN 2016-2022
- Zone Z9 - DEV PLAN 2016-2022

Administrative Boundary from DCC

- Central
- North Central
- North West
- South Central
- South East

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National Transport Authority

Iarnród Éireann
Irish Rail

CIE

Consultant

IDOM

C3

PROD
ROUSHAN & O'DONOVAN

DART+
PROGRAMME

Project

Tionscadal Éireann
Project Ireland
2040

DART+
MAYNOOTH LINE

Project

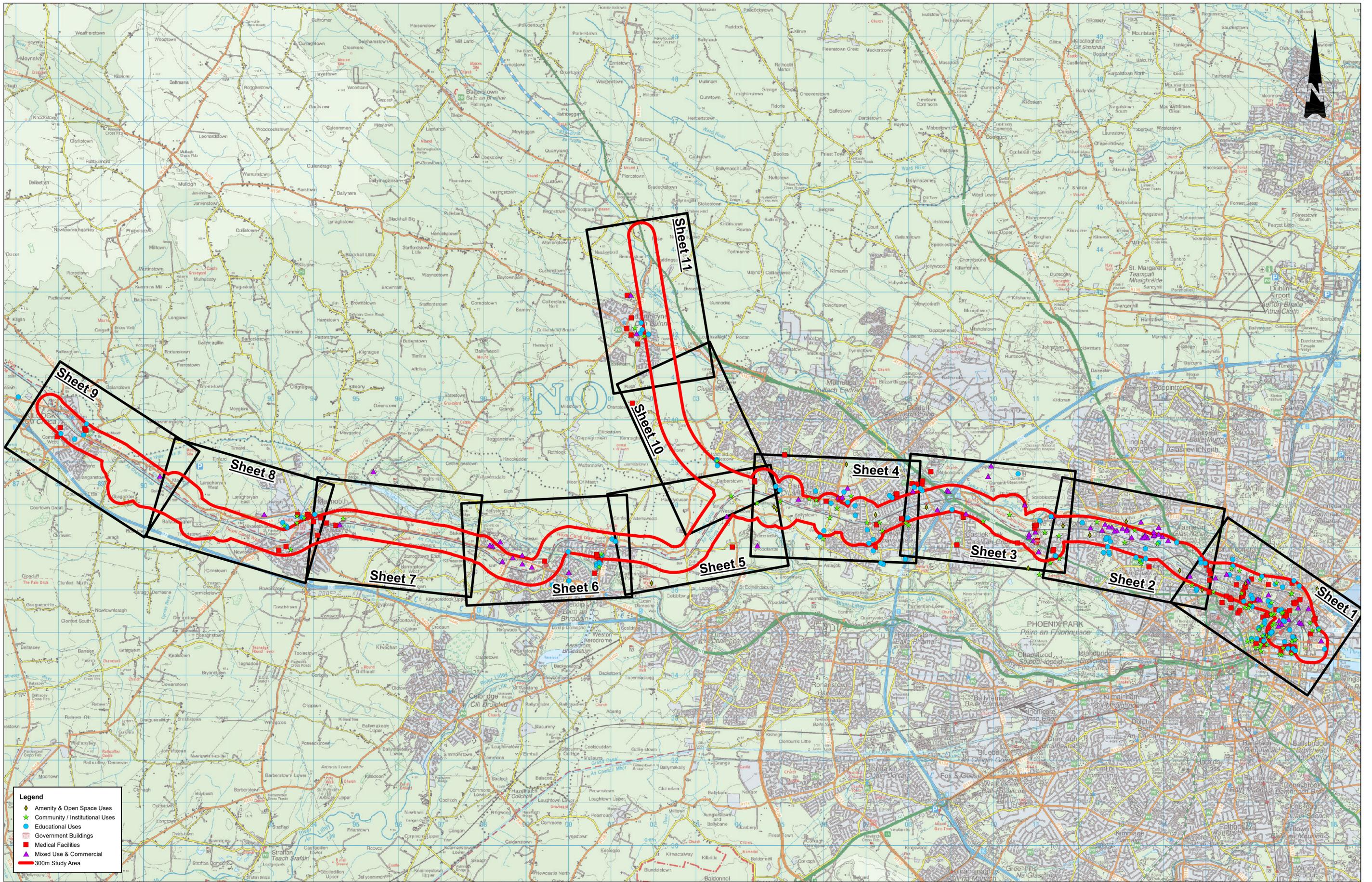
DART+
MAYNOOTH LINE

Drawing Title

**PRELIMINARY OPTIONS SELECTION
PLANNING POLICY - DEVELOPMENT ZONING**

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - MDC - ENV - ROUT - DR - EN - 1100							1100	MMC	VD	FO'K	

Scale	Date	Job No.	Status	Rev.	Sheet
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- Legend**
- ◆ Amenity & Open Space Uses
 - ◆ Community / Institutional Uses
 - Educational Uses
 - Government Buildings
 - Medical Facilities
 - Mixed Use & Commercial
 - 300m Study Area

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Client
  

Consultant
  

Tionscadal Éireann
 Project Ireland
2040



Project


Drawing Title											
PRELIMINARY OPTIONS SELECTION LAND USE TYPES - OVERVIEW											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
MAY - ROD	ENV	ROUT	DR	EN	1500	MMC	YB	FOK			
Scale:	1:40,000	Date:	June 2020	Job No.:	19-157	Status:	S3-Review & Comment	Rev.:			Sheet: 1 of