

**Legend**

- Diffusion Tube Locations
- Development Boundary

V 01	April 2022	PLANNING ISSUE	MMC	YB	FO'K
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Tionscald Eireann Project Ireland 2040

NTA *Óstair Náisiúnta* National Transport Authority

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

PROD

Project

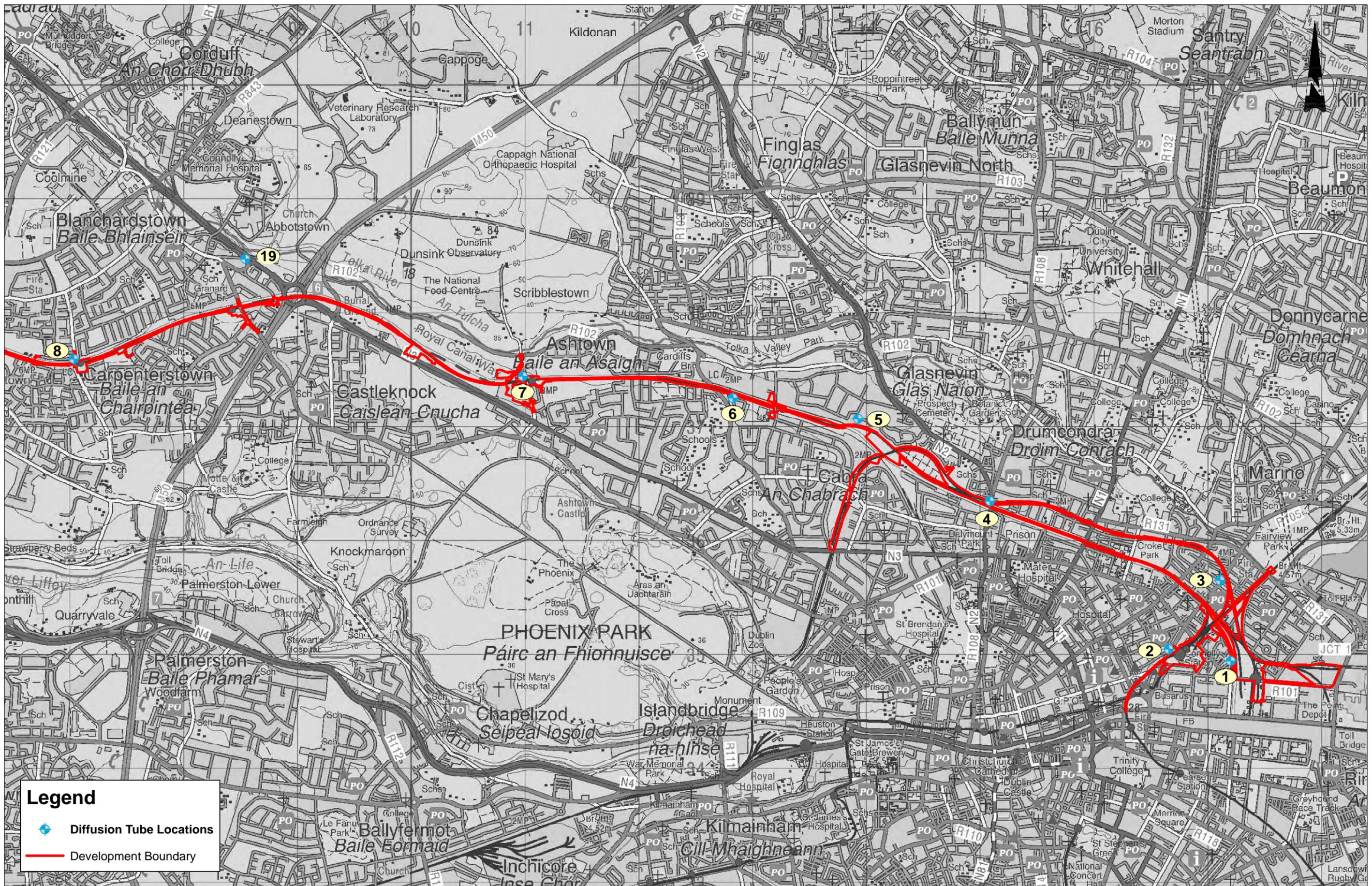
Drawing Title

**AIR QUALITY  
DIFFUSION TUBE MONITORING LOCATIONS  
OVERVIEW**

Scale: 1:40,000 @ A1; 1:80,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120000 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Diffusion Tube Locations
- Development Boundary

V 01	April 2022	PLANNING ISSUE	MMC	YB	FOK
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client

Tionscald Eireann  
Project Ireland  
2040

NTA  
Odaras Náisiúnta Iompair  
National Transport Authority

lanróid Eireann  
Irish Rail

Consultant

IDOM

C3

ROD  
ROUGHAN & O'DRUGHAN

Project

DART+  
West

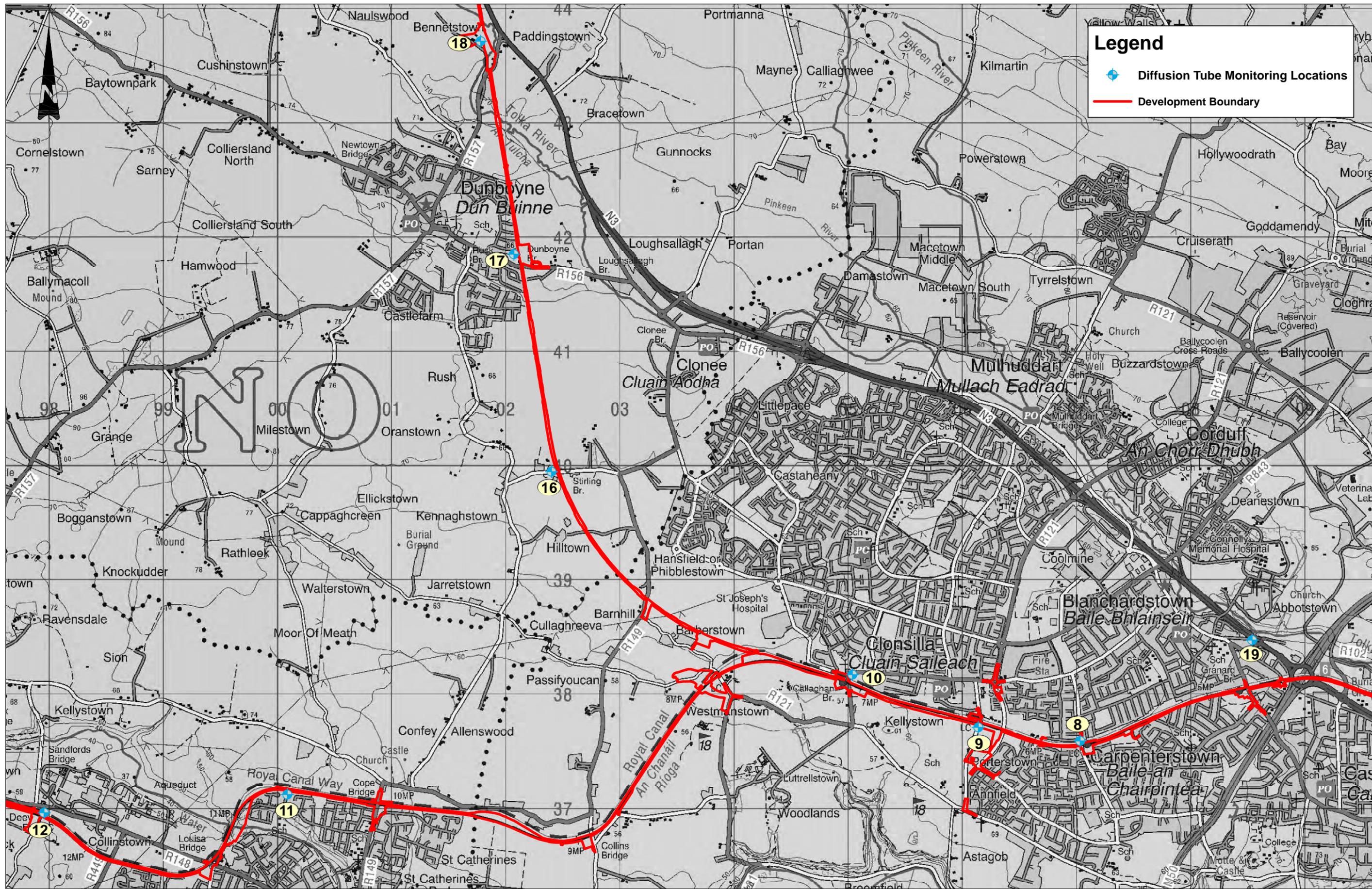
Drawing Title

AIR QUALITY  
DIFFUSION TUBE MONITORING LOCATIONS  
SHEET 1 OF 3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120001 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 3

Scale:  
1:15,000 @ A1; 1:30,000 @ A3  
0 187.5 375 750



### Legend

- Diffusion Tube Monitoring Locations
- Development Boundary

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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client

Consultant

Project

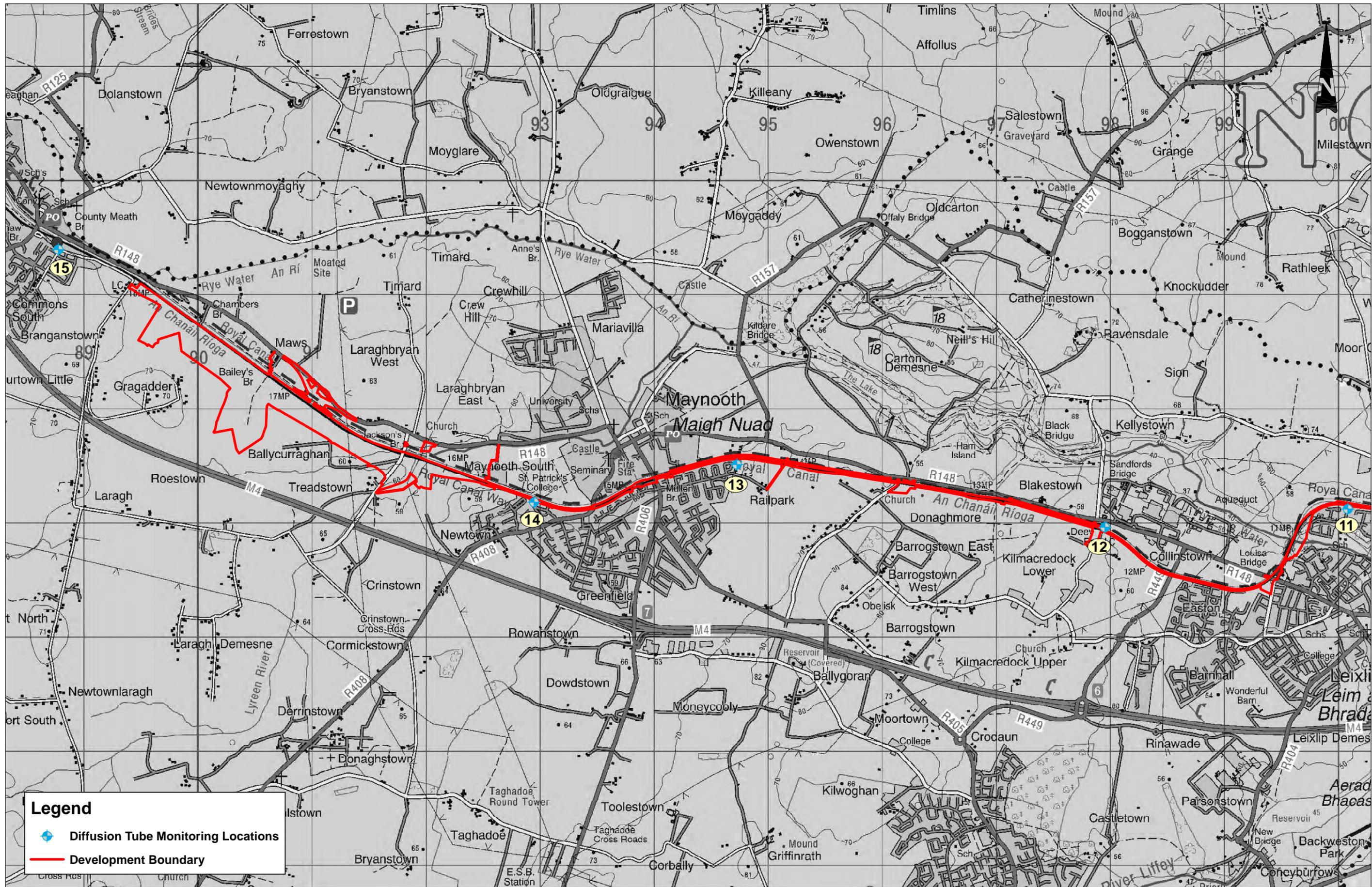
Drawing Title

## AIR QUALITY DIFFUSION TUBE MONITORING LOCATIONS SHEET 2 OF 3

Scale: 1:15,000 @ A1; 1:30,000 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ENV	ROUT	DR	V	120002	D	

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1 - Approved & Accepted	V 01	2 of 3



**Legend**

- Diffusion Tube Monitoring Locations
- Development Boundary

V 01	April 2022	PLANNING ISSUE	MMC	YB	FOK
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Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Oideas Náisiúnta tairbhí  
National Transport Authority

larnród Éireann  
Irish Rail

Consultant

IDOM

C3

PROD  
ROGHAN & O'DONOVAN

Project

DART+  
West

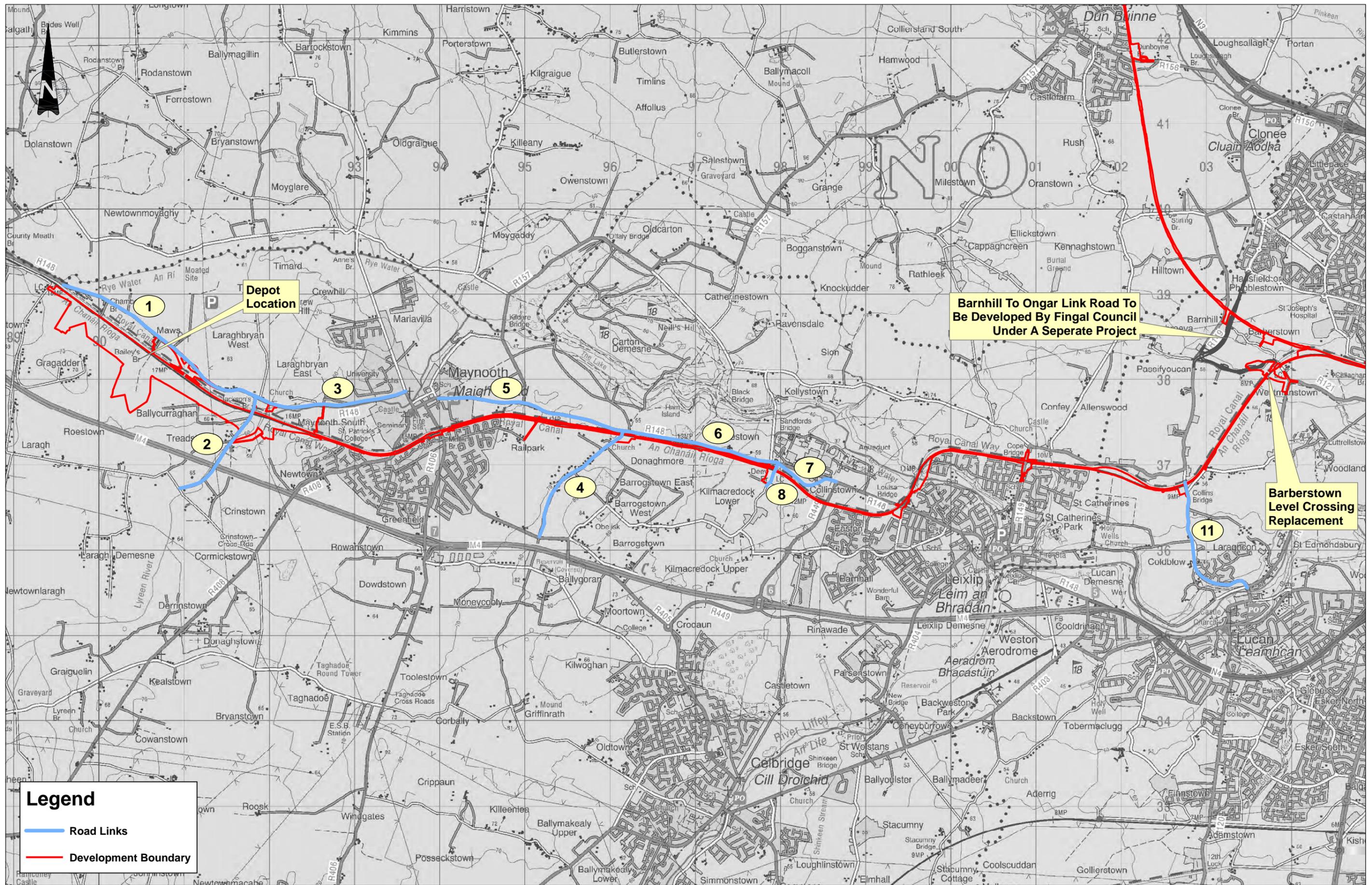
Drawing Title

AIR QUALITY  
DIFFUSION TUBE MONITORING LOCATIONS  
SHEET 3 OF 3

Scale:  
1:15,000 @ A1; 1:30,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120003 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 3 of 3



**Legend**

- Road Links
- Development Boundary

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Client

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lanróid Éireann  
Irish Rail

Consultant

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ROUGHAN & O'DONOVAN

Project

DART+  
West

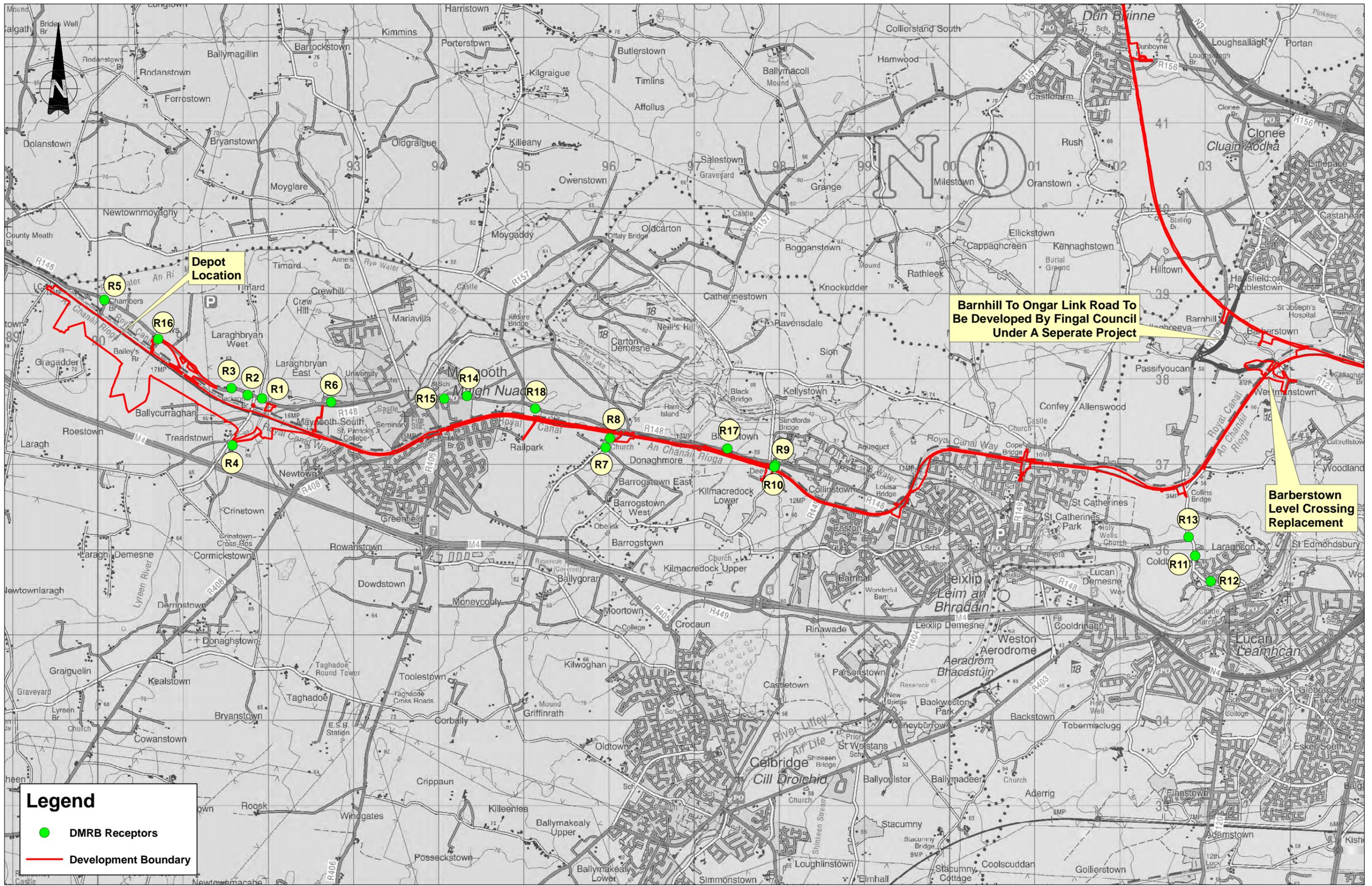
Drawing Title

AIR QUALITY  
ROAD LINKS INCLUDED IN CONSTRUCTION  
PHASE - SIMPLE ASSESSMENT

Scale:  
1:20,000 @ A1; 1:40,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120004 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- DMRB Receptors
- Development Boundary

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Irish Rail

Consultant

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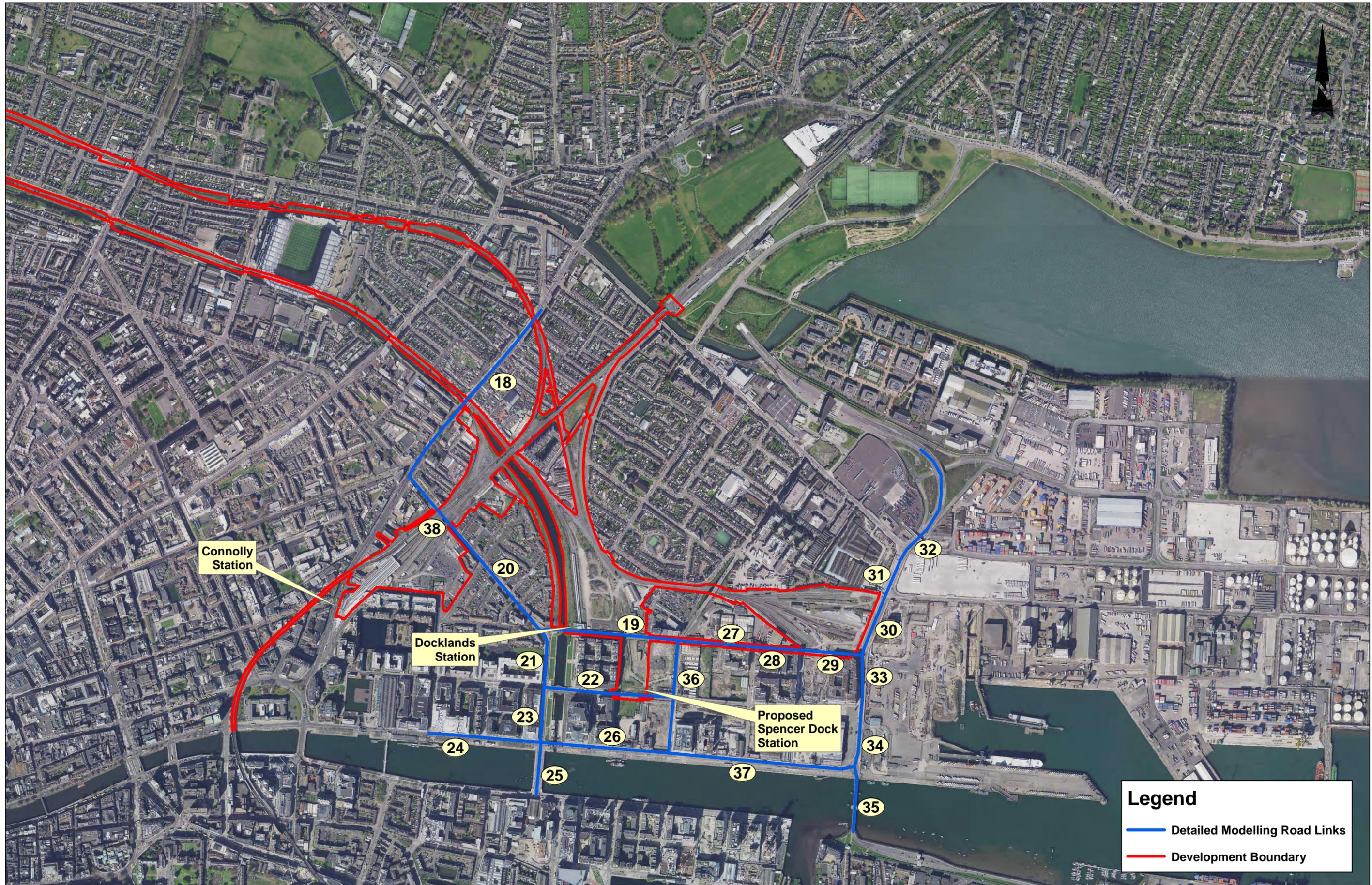
Drawing Title

AIR QUALITY RECEPTORS INCLUDED IN CONSTRUCTION PHASE - SIMPLE ASSESSMENT

Scale: 1:20,000 @ A1; 1:40,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120005 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Detailed Modelling Road Links
- Development Boundary

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National Transport Authority

Iarród Éireann  
Irish Rail

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Project

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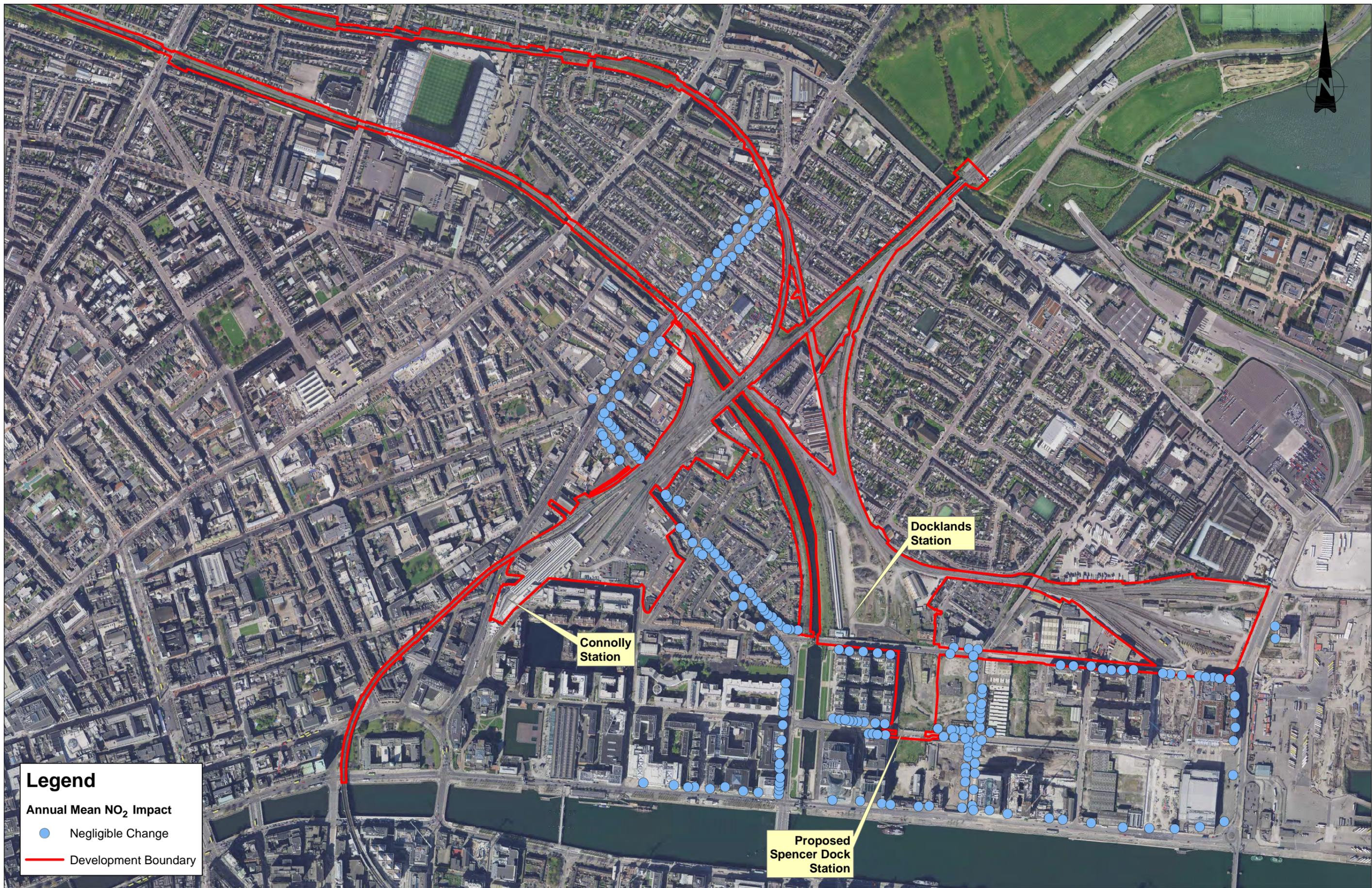
Drawing Title

AIR QUALITY  
ROAD LINKS INCLUDED IN  
CONSTRUCTION PHASE - DETAILED ASSESSMENT

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120006 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

Annual Mean NO<sub>2</sub> Impact

- Negligible Change
- Development Boundary

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Client

Consultant

Project

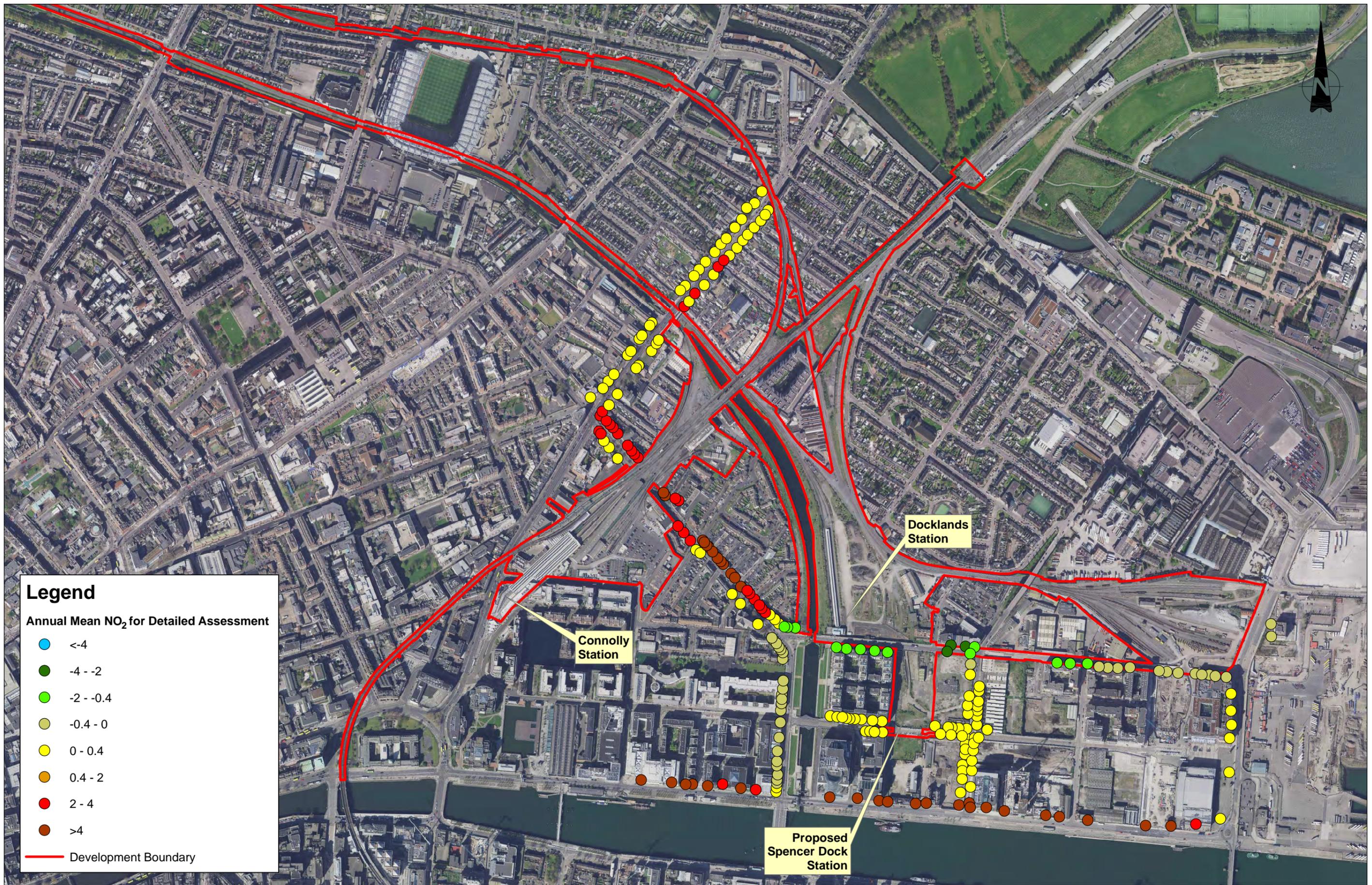
Drawing Title

**AIR QUALITY  
NO<sub>2</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - IMPACT**

Scale: 1:3,500 @ A1; 1:7,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY | MDC | ENV | ROUT | DR | V | 120007 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V01 | Sheet: 1 of 1



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Client

Consultant

Project

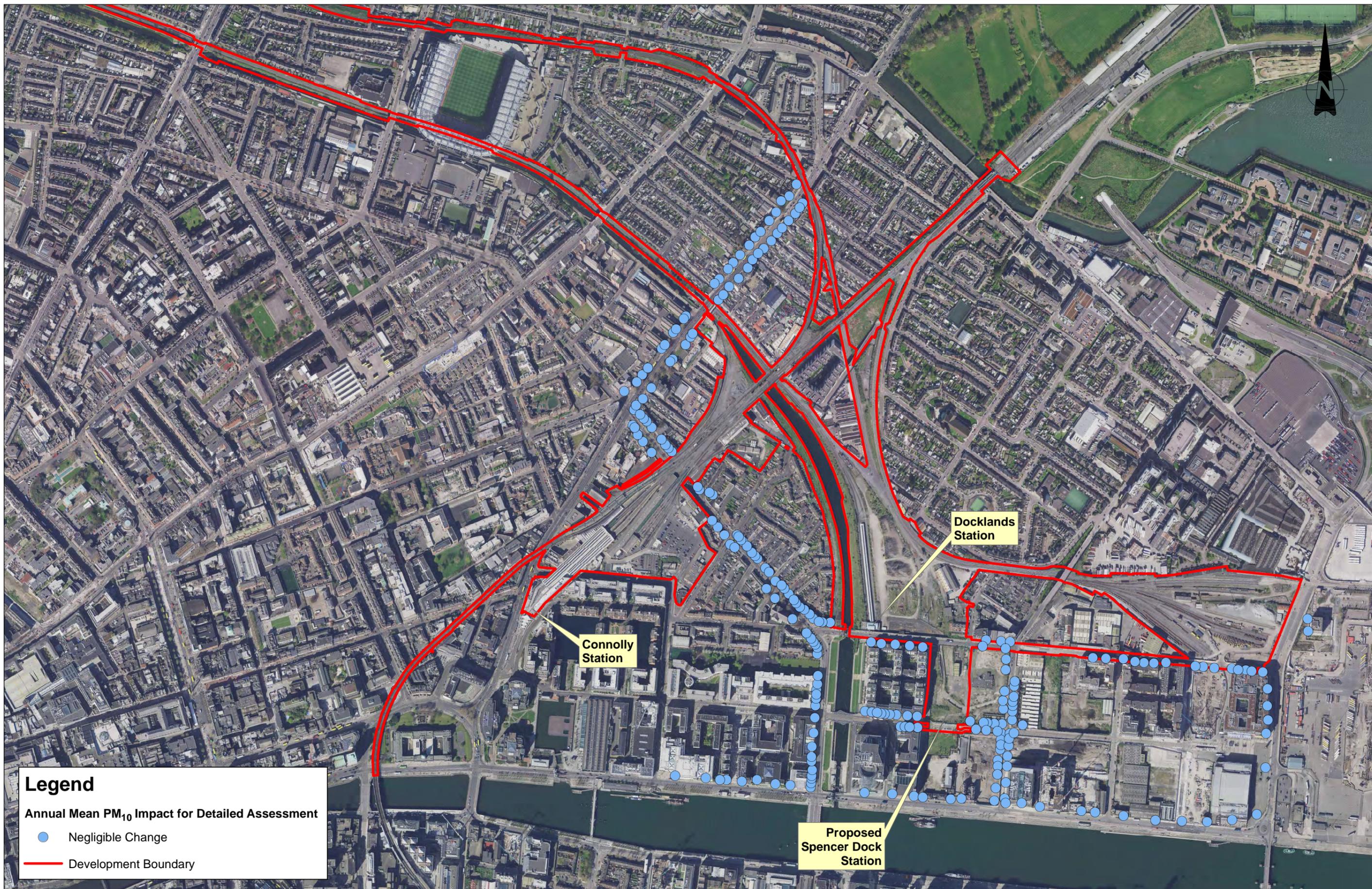
Drawing Title

**AIR QUALITY  
NO<sub>2</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - CHANGE**

Scale: 1:3,500 @ A1; 1:7,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120008 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

**Annual Mean PM<sub>10</sub> Impact for Detailed Assessment**

- Negligible Change
- Development Boundary

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Client

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Project Ireland  
2040

NTA  
Údarás Náisiúnta Ionpar  
Náisiúnta Transporta

lanród Éireann  
Irish Rail

Consultant

IDOM

C3

ROD  
ROUGHAN & O'DONOVAN

Project

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West

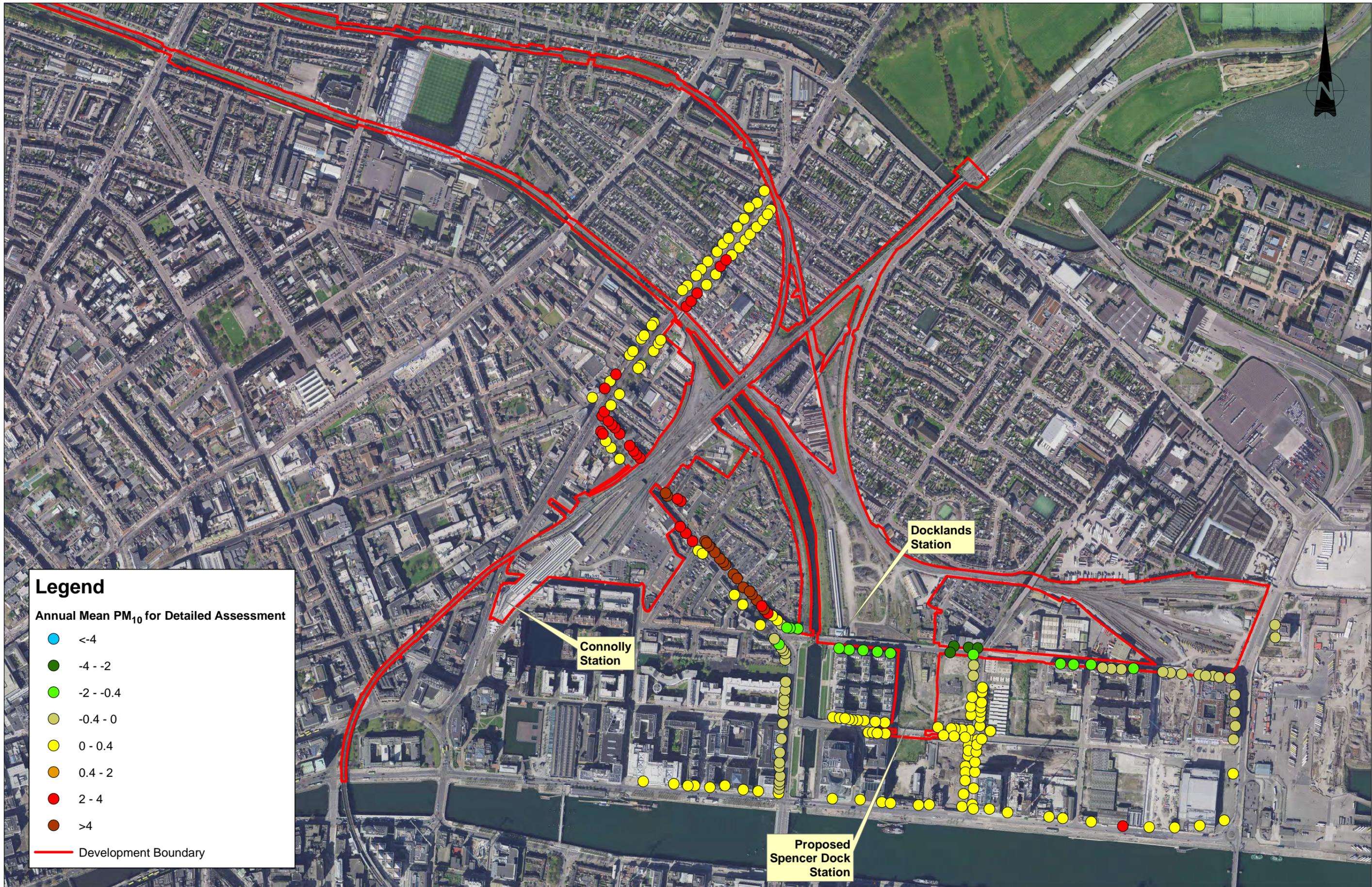
Drawing Title

AIR QUALITY  
PM<sub>10</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - IMPACT

Scale: 1:3,500 @ A1; 1:7,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120009 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



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Client

Consultant

Project

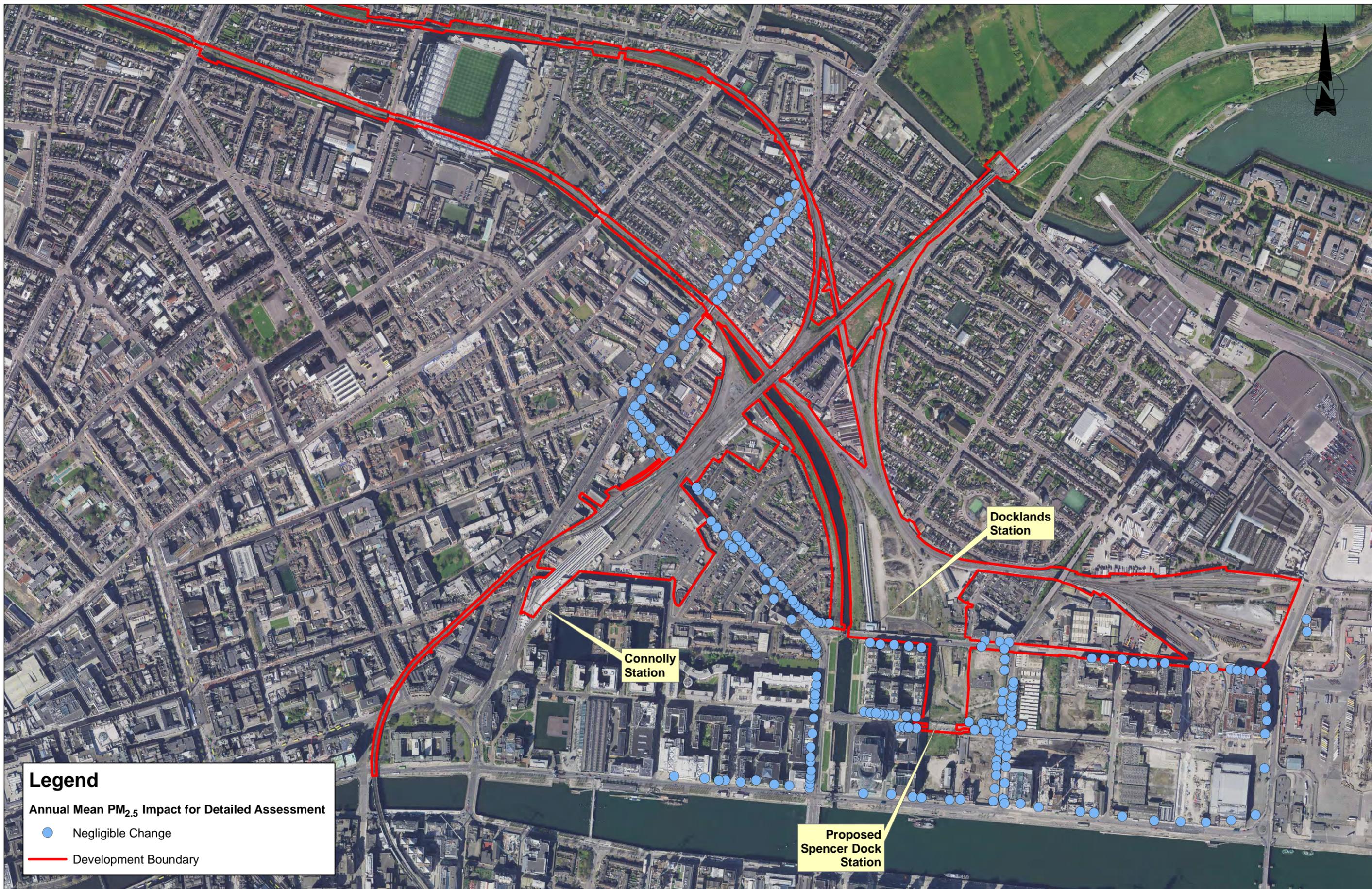
Drawing Title

**AIR QUALITY  
PM<sub>10</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - CHANGE**

Scale: 1:3,500 @ A1; 1:7,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120010 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V01 | Sheet: 1 of 1



**Legend**

Annual Mean PM<sub>2.5</sub> Impact for Detailed Assessment

- Negligible Change
- Development Boundary

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Client

Tionscatal Éireann  
Project Ireland  
2040

NTA  
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Náisiúnta Transportaíochta

lanród Éireann  
Irish Rail

Consultant

IDOM

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Project

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West

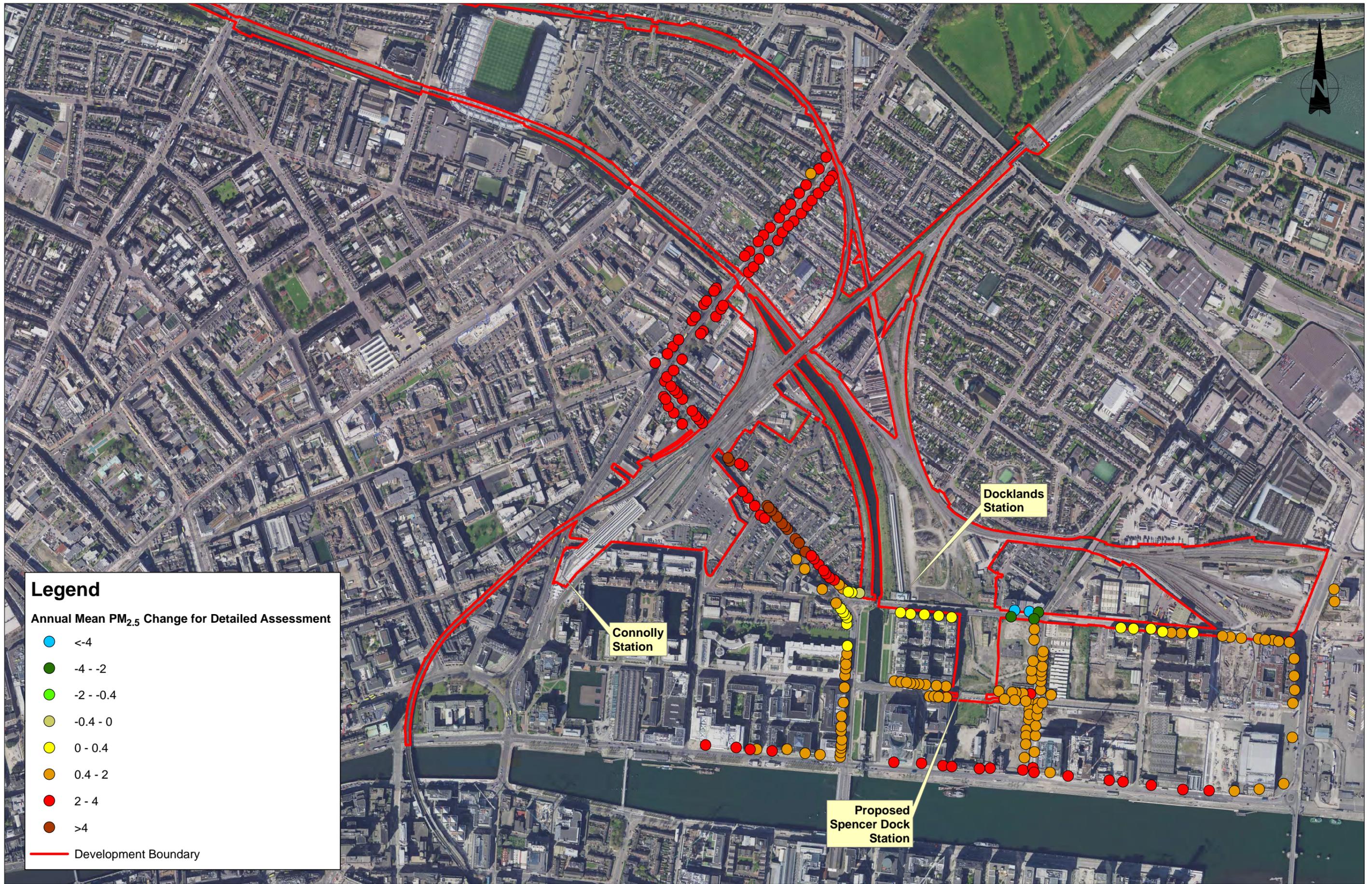
Drawing Title

AIR QUALITY  
PM<sub>2.5</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - IMPACT

Scale:  
1:3,500 @ A1; 1:7,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120011 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

**Annual Mean PM<sub>2.5</sub> Change for Detailed Assessment**

- <-4
- -4 - -2
- -2 - -0.4
- -0.4 - 0
- 0 - 0.4
- 0.4 - 2
- 2 - 4
- >4

— Development Boundary

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Client

Consultant

Project

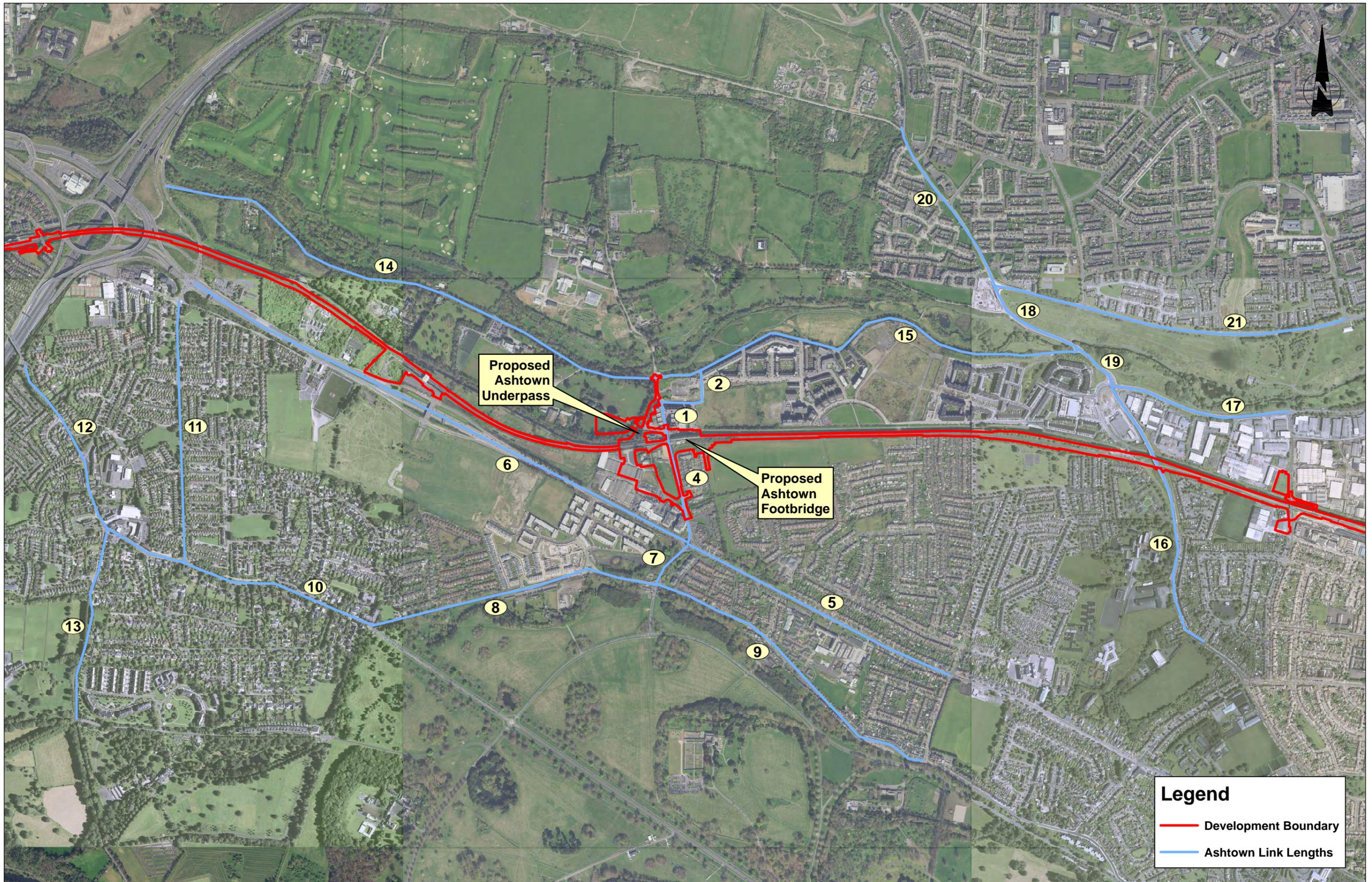
Drawing Title

**AIR QUALITY  
PM<sub>2.5</sub> DETAILED ASSESSMENT  
CONSTRUCTION PHASE - CHANGE**

Scale: 1:3,500 @ A1; 1:7,000 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ENV	ROUT	DR	V	120012	D	

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Development Boundary
- Ashtown Link Lengths

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Client

Tionscatal Éireann  
Project Ireland  
2040

NTA  
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National Transport Authority

lanród Éireann  
Irish Rail

Consultant

IDOM

C3

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ROUGHAN & O'DONOVAN

Project

DART+  
West

Drawing Title

AIR QUALITY  
ASHTOWN ROAD LINKS  
INCLUDED IN ASSESSMENT

Scale:  
1:6,000 @ A1; 1:12,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120013 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Ashtown Operational Receptors
- Ashtown Link Lengths
- Development Boundary

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Client

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2040

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National Transport Authority

lanróid Éireann  
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DART+  
West

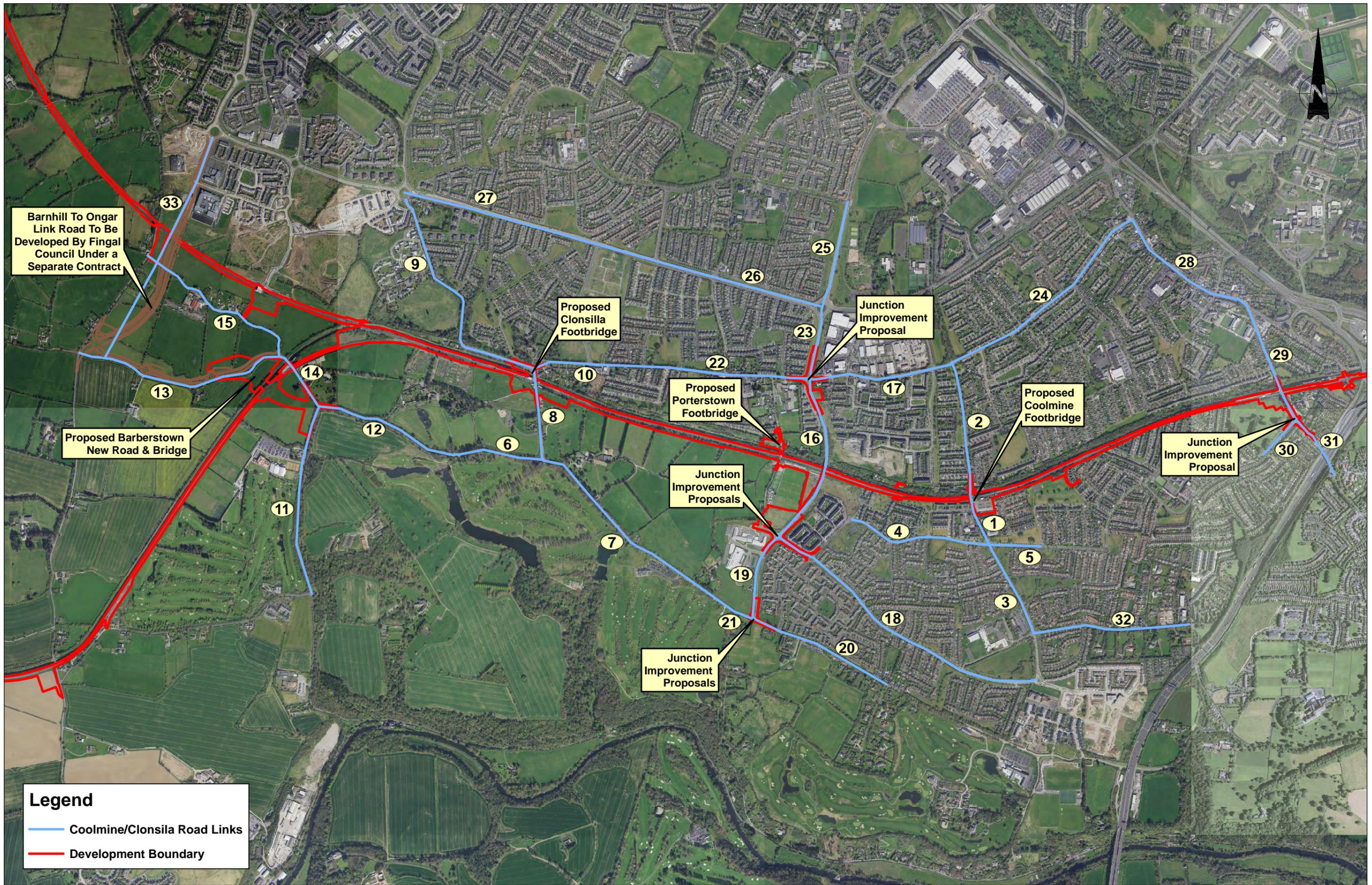
Drawing Title

AIR QUALITY  
ASHTOWN MODELLED RECEPTORS

Scale:  
1:6,000 @ A1; 1:12,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120014 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Coolmine/Clonsilla Road Links
- Development Boundary

REV.	DATE	DESCRIPTION	MMO	YB	FOK
V 01	April 2022	PLANNING ISSUE			
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Client

Tionscatal Éireann  
Project Ireland  
2040

NTA  
Údarás Náisiúnta  
Náisiúnaíochta  
Trasportála

larnród Éireann  
Irish Rail

Consultant

IDOM

G3

FIROD  
ROUGHAN & O'DOHOYAN

Project

DART+  
West

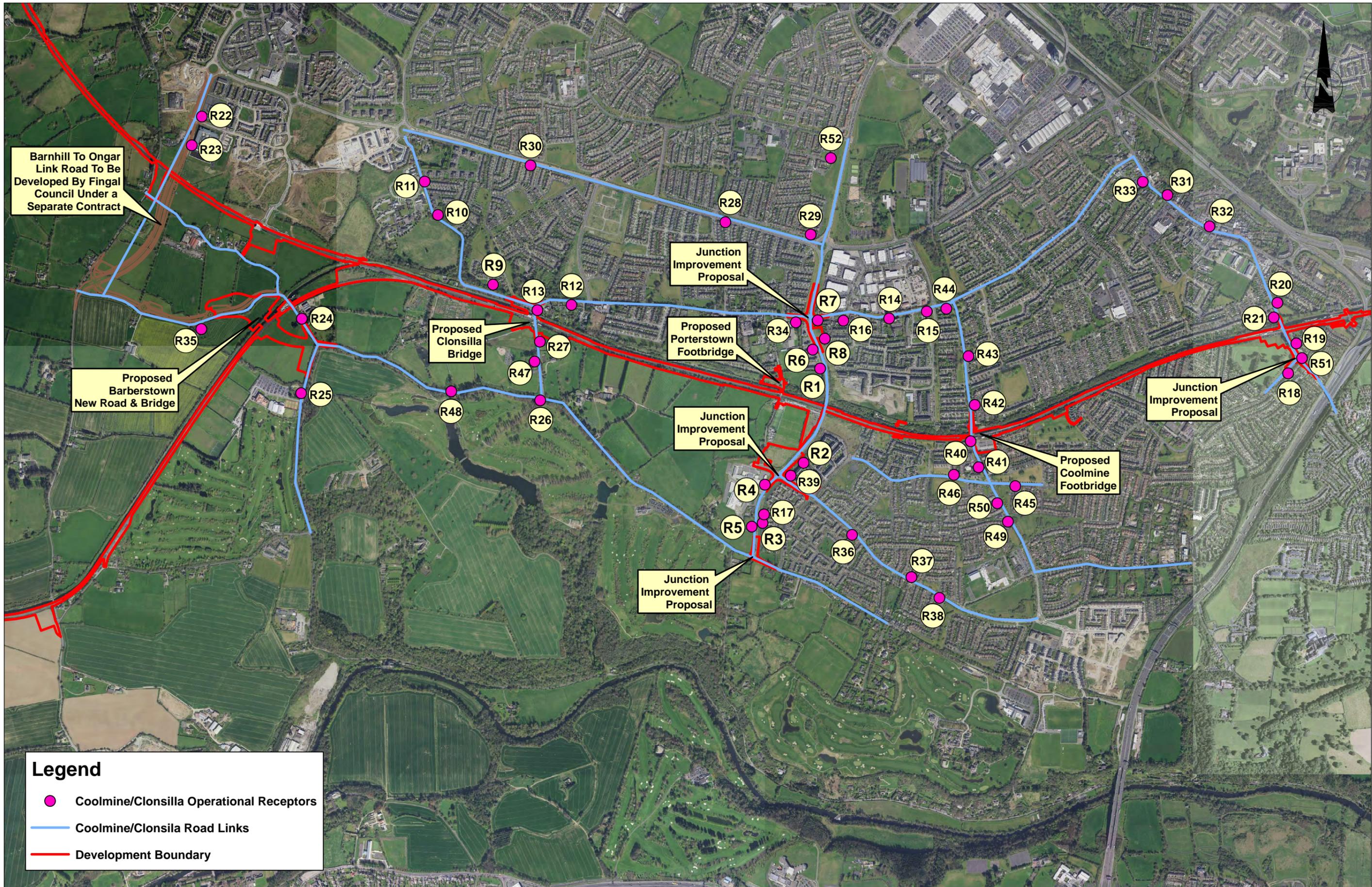
Drawing Title

AIR QUALITY  
COOLMINE/CLONSILLA ROAD LINKS  
INCLUDED IN ASSESSMENT

Scale:  
1:8,000 @ A1; 1:16,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120015 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



**Legend**

- Coolmine/Clonsilla Operational Receptors
- Coolmine/Clonsilla Road Links
- Development Boundary

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	April 2022	PLANNING ISSUE	MMC	YB	FOK

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 Survey No. 0039721 (OSI Aerial Data or OSi Lolar Data) & Survey No. 20210501 (MMA 1:80 (OSi Vector Data)).  
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Client

Tionscald Eireann  
Project Ireland  
**2040**

NTA  
Údarás Náisiúnta Iompair  
National Transport Authority

lanróid Éireann  
Irish Rail

Consultant

**IDOM**

**ROD**  
ROUHRAN & O'CONNOR

Project

**DART+**  
West

Drawing Title

**AIR QUALITY  
COOLMINE/CLONSILLA MODELLED RECEPTORS  
INCLUDED IN ASSESSMENT**

Scale: 1:8,000 @ A1; 1:16,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | ENV | ROUT | DR | V | 120016 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1