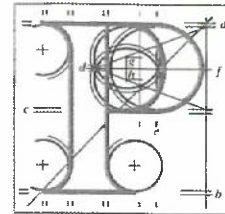


Our Case Number: ABP-314724-22

Your Reference: Irish Life Assurance plc.



**An
Bord
Pleanála**

Waterman Moylan
Engineering Consultants
Block S
EastPoint Business Park
Alfie Byrne Road
Dublin 3
D03H3F4

Date: 16 January 2023

Re: Railway (Metrolink - Estuary to Charlemont via Dublin Airport) Order [2022]
Metrolink. Estuary through Swords, Dublin Airport, Ballymun, Glasnevin and City Centre to
Charlemont, Co. Dublin

Dear Sir / Madam,

An Bord Pleanála has received your recent submission (including your fee of €50) in relation to the above-mentioned proposed Railway Order and will take it into consideration in its determination of the matter.

The Board will revert to you in due course with regard to the matter.

Please be advised, there is no fee for an affected landowner, listed on the schedule, to make an observation on this case, therefore, a refund of €50 will be made to the credit/debit card used to make the online observation.

Please be advised that copies of all submissions/observations received in relation to the application will be made available for public inspection at the offices of the relevant County Council(s) and at the offices of An Bord Pleanála when they have been processed by the Board.

More detailed information in relation to strategic infrastructure development can be viewed on the Board's website: www.pleanala.ie.

If you have any queries in the meantime, please contact the undersigned. Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,

Niamh Thornton
Executive Officer
Direct Line: 01-8737247

Tel	Tel	(01) 858 8100
Glao Áitiúil	LoCall	1800 275 175
Facs	Fax	(01) 872 2684
Láithreán Gréasáin	Website	www.pleanala.ie
Ríomhphost	Email	bord@pleanala.ie

64 Sráid Maoilbhríde	64 Marlborough Street
Baile Átha Cliath 1	Dublin 1
D01 V902	D01 V902

Our Ref : 18-020.048.docx
Your Ref :
E-mail : r.osborne@waterman-moylan.ie
Date : 24 November 2022

An Bord Pleanála,
64 Marlborough Street,
Dublin 1,
D01 V902.

**Re : Railway (Metrolink–Estuary to Charlemont via Dublin Airport) Order 2022
Earlsfort Centre Block C, Earlsfort Terrace, Dublin, D02 X668**

Dear Sirs,

This submission has been prepared by Waterman Moylan on behalf of Irish Life Assurance plc. who are the owners of the existing commercial building located at Earlsfort Centre Block C, Earlsfort Terrace, Dublin, D02 X668

The property is located in the City Centre between MetroLink Chainage 18+800 and Chainage 18+900.

Submission 1:

The route selection, including horizontal alignment, vertical alignment and depth of MetroLink below ground in the area between Chainage 18+800 and Chainage 18+900, should be reviewed by NTA / TII to satisfy themselves and to ensure that

- (a) MetroLink does not cause structural damage to the foundation system supporting our client's building which comprises a two-storey basement founded on the competent rock.
- (b) MetroLink does not cause structural damage to our client's building at the basement level, any damage would result in the ingress of water into the basement.
- (c) MetroLink does not cause damage to the cladding; glazing and fragile finishes of our client's building.
- (d) MetroLink provides the necessary vertical and/or horizontal clearance between the existing basements and the tunnels.

Submission 2:

The construction information provided by MetroLink has been reviewed. We refer to the following points:

- a) Metrolink has assessed the "Groundborne Noise from Tunnel Boring Machine" and presents its findings on drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-14009 (a copy is attached to this submission). This drawing indicates MetroLink will generate an additional 50db directly under the location of our client's building which is unacceptable.
- b) Metrolink has assessed the predicted "Settlement" and presents its findings on drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-21149 (a copy is attached to this submission). This drawing indicates MetroLink will be causing a 40mm settlement directly under the location of our client's building which is unacceptable. Settlements of this magnitude cannot be accommodated by the building's structure and will cause damage to foundations; basement; superstructure; façade and internal finishes. As

Block S, EastPoint Business Park, Alfie Byrne Road, Dublin D03 H3F4
t. 00 353 1 664 8900 f. 00 353 1 661 3618 e. info@waterman-moylan.ie w. www.waterman-moylan.ie

Directors: J. Gibbons, P. O'Connell, R. Osborne, C. Beresford (British), A. Steele (British)
Consultants: J. Caffrey, B. McCann, J. Moylan, P. Opdebeeck
Registered as Waterman Moylan Consulting Engineers Limited
Registered in Ireland 98095 Registered Office: Block S, EastPoint Business Park, Alfie Byrne Road, Dublin D03 H3F4
Offices: Australia, India, Ireland, United Kingdom



previously stated the basement structure forms the waterproof envelope to our client's building and any damage would result in the ingress of water into the basement.

Submission 3:

The operational information provided by MetroLink has been reviewed. We refer to the following point:

- a) Metrolink has assessed the "*Groundborne Noise from Operation*" and presented its findings on drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-14041 (a copy is attached to this submission). This drawing indicates MetroLink will be generating an additional 35db directly under the location of our Clients building which is unacceptable.

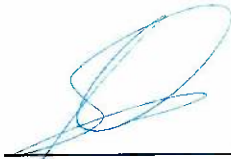
Submission 4:

MetroLink has proposed to acquire the substratum land located under our client's building, which is outlined in drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-01096 (a copy is attached to this submission). This is unacceptable to our client, as the future potential to develop this prominent commercial site in the future will be damaged.

In summary, our client requests that the route of the proposed MetroLink tunnels are diverted away from their current proposed location (under our client's building) to either below the public carriageway or buildings that will not be damaged or compromised by the presence of the tunnels located under.

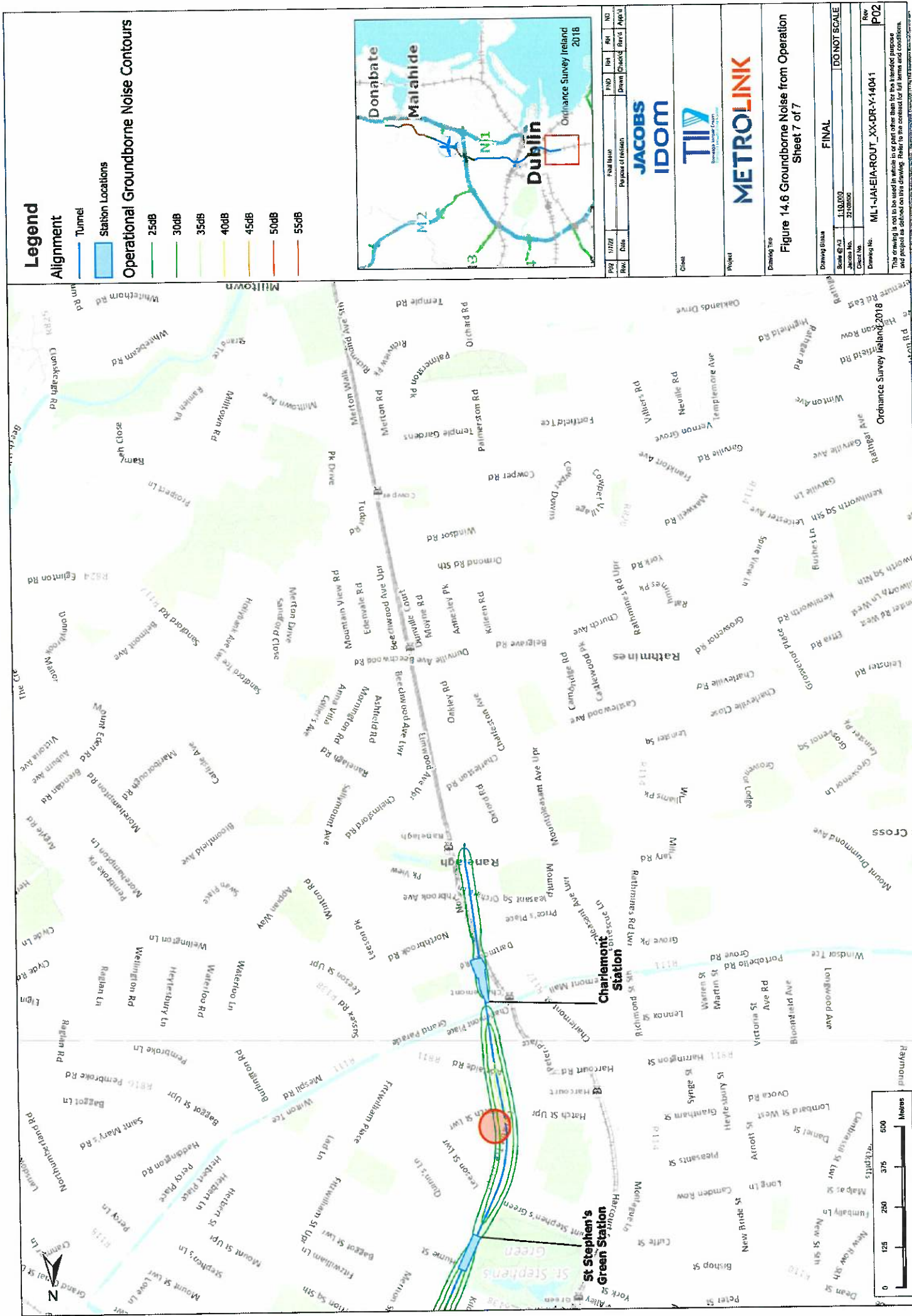
Should you have any queries or wish to discuss any aspect of this submission, please contact me.

Yours sincerely,



Richard Osborne
Director
Waterman Moylan

Enc (4)



Legend

Alignment

Tunnel

Station Locations

Operational Groundborne Noise Contours

25dB

30dB

35dB

40dB

45dB

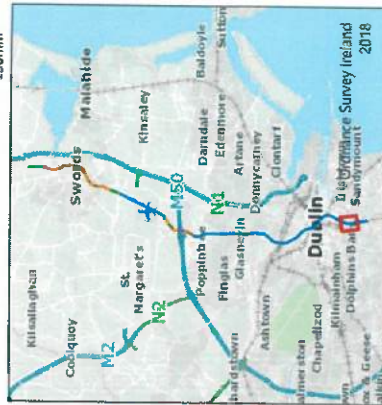
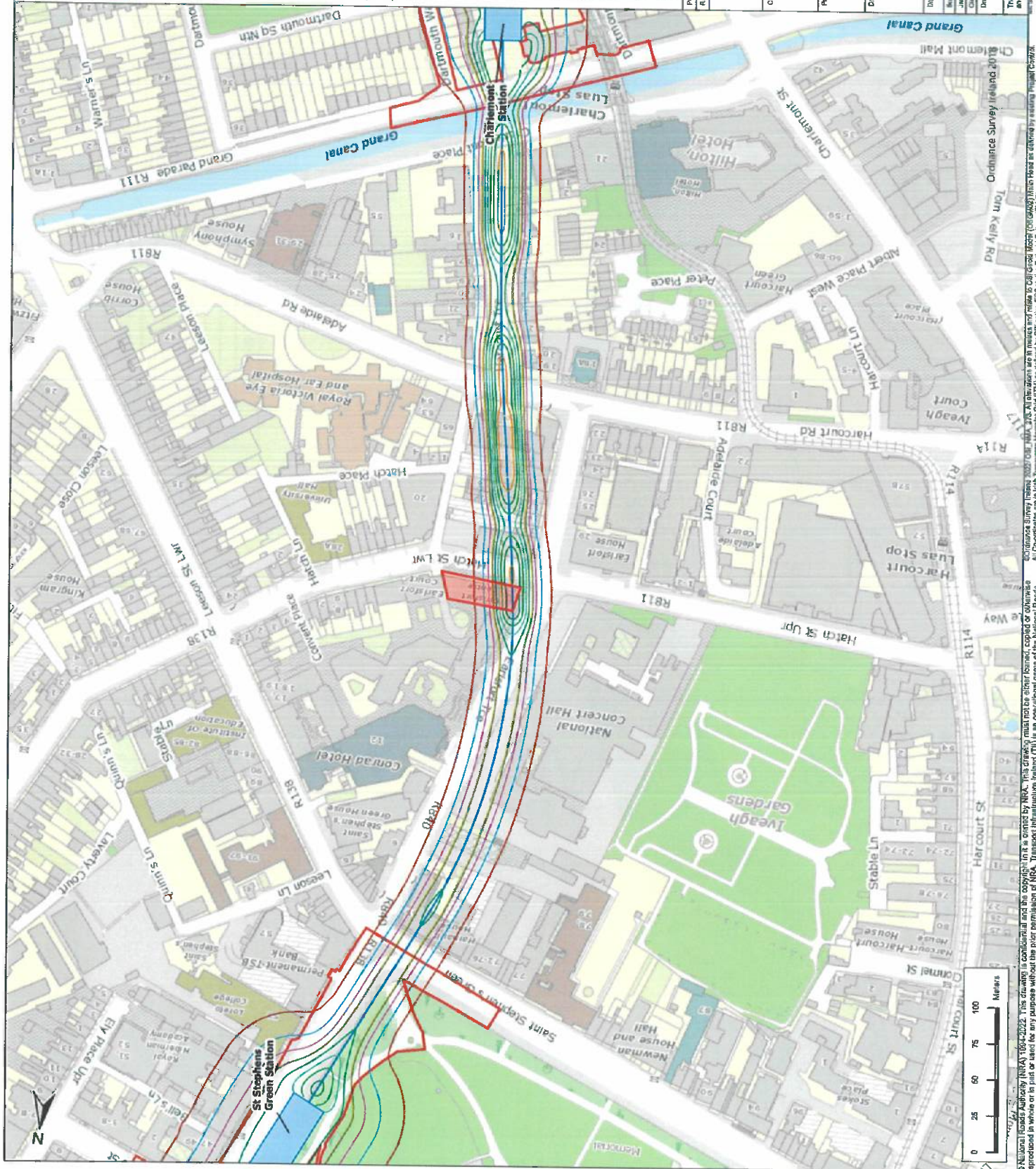
50dB

55dB

Figure 14.6 Groundborne Noise from Operation
Sheet 7 of 7

Drawing Status	FINAL
Scale @ A3	1:10,000
Scale @ A2	1:20,000
Client No.	ML1-JAEIA-ROUT-XX-DR-Y-14041
Rev	P02

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P02_8/12/2022	Final Issue	JL	RH	NC
Rev.	Date	Drawn	Checked	Approved

JACOBS	IDOM
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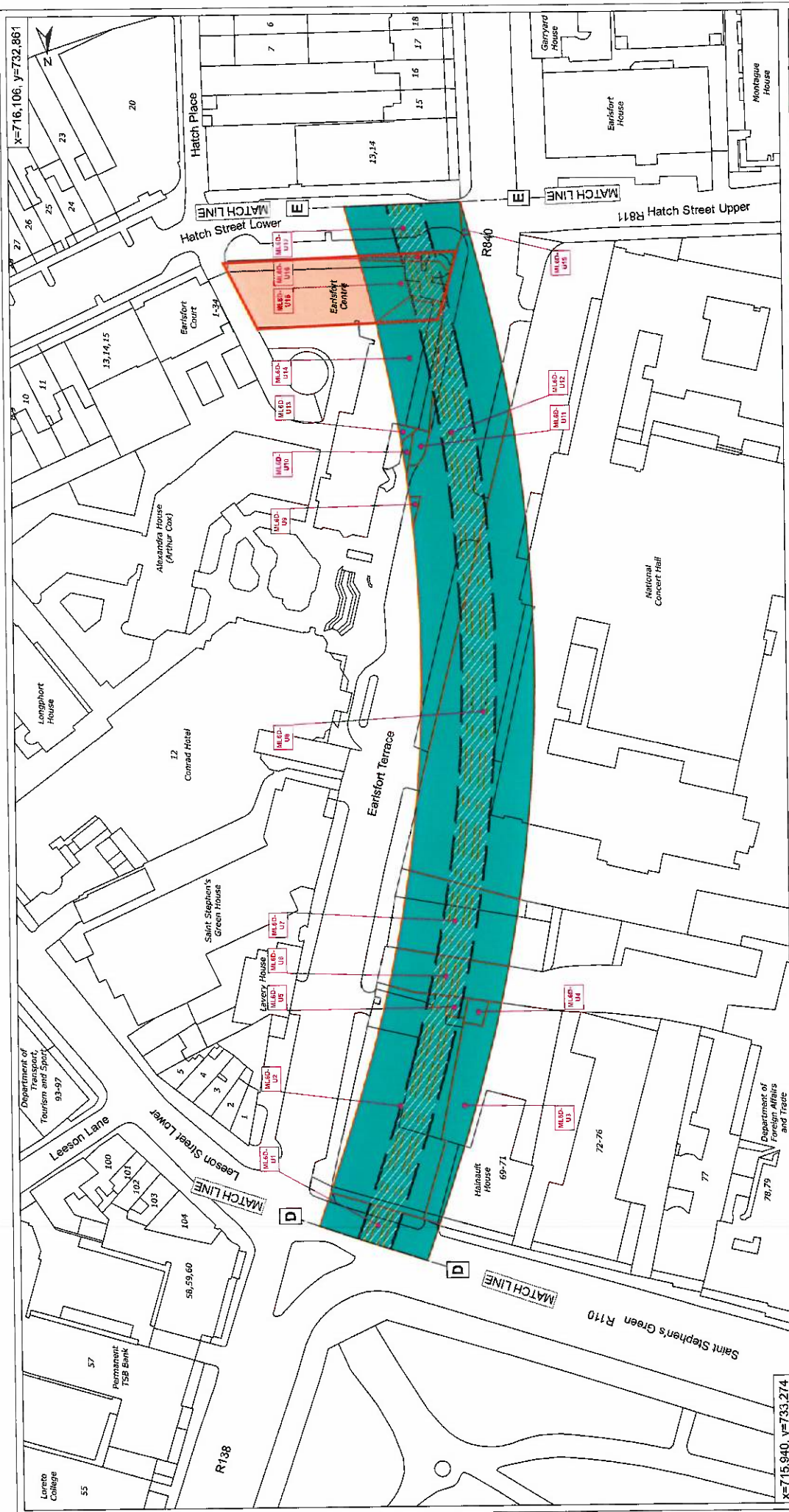
TIP	Technische Projectontwikkeling Technische Advies en Ontwerp
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Client	Project
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Drawing Title	Figure 20.16 Settlement Contours Sheet 29 of 30
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Drawing Status		Final	DO NOT SCALE
Scale	1:2,500		
Sheet No.	12/000		
Project No.	30109000		
Client No.			
Drawing No.	ML1-JAH-EIA-ROUT_XX-DR-Y-21149		P02

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This drawing has been prepared for the proposed project named as follows: **National Road Authority**

The client for this drawing is: **Transport Infrastructure Ireland (TII)** is an operational name of the National Roads Authority.

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