






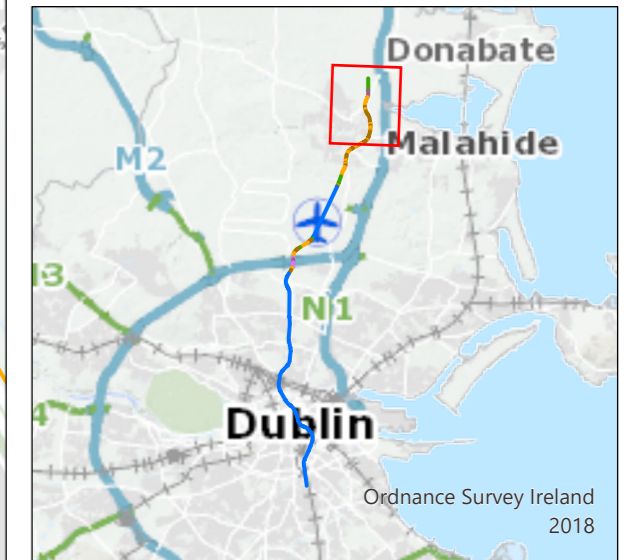




### Legend

#### Alignment

-  Cut & Cover
-  Incline
-  Retained Cut
-  Surface
-  Tunnel
-  Viaduct
-  Station Locations



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd



Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
 Sheet 1 of 7

Drawing Status  
**FINAL**

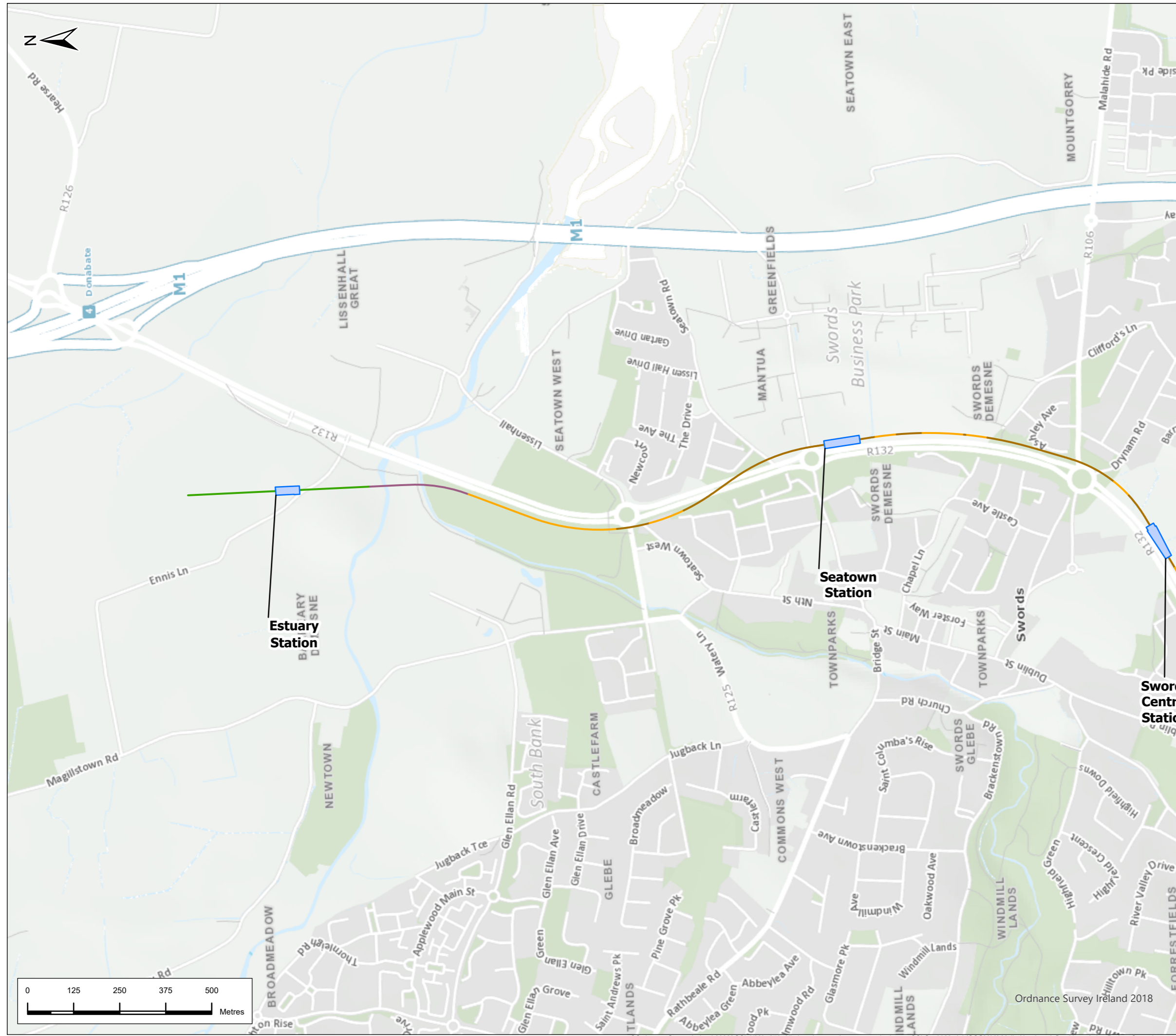
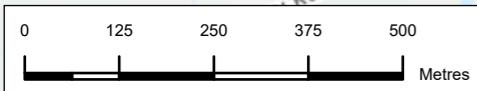
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JACOBS No. 32108600

Client No. Rev P02

Drawing No. ML1-JAI-EIA-ROUT\_XX-DR-Y-14019

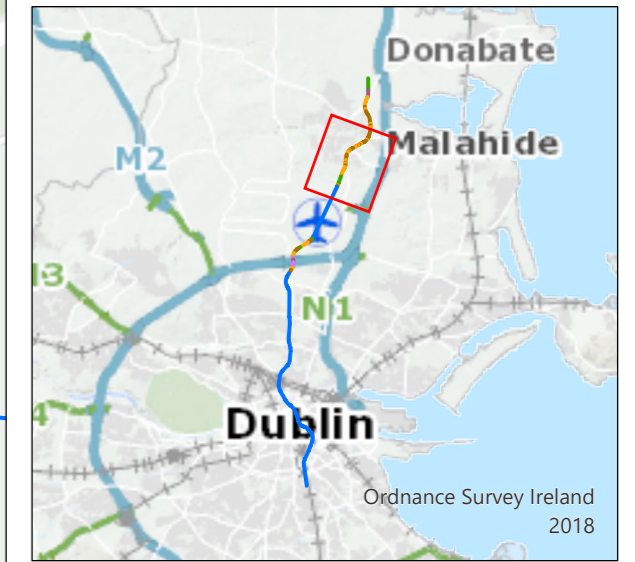
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- ### Legend
- #### Alignment
- Cut & Cover
  - Incline
  - Retained Cut
  - Surface
  - Tunnel
  - Viaduct
  - Station Locations



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd

**JACOBS**  
**IDOM**

**TII**  
Bonnegar Iompair Éireann  
Transport Infrastructure Ireland

**METROLINK**

Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity) Sheet 2 of 7**

Drawing Status: **FINAL**

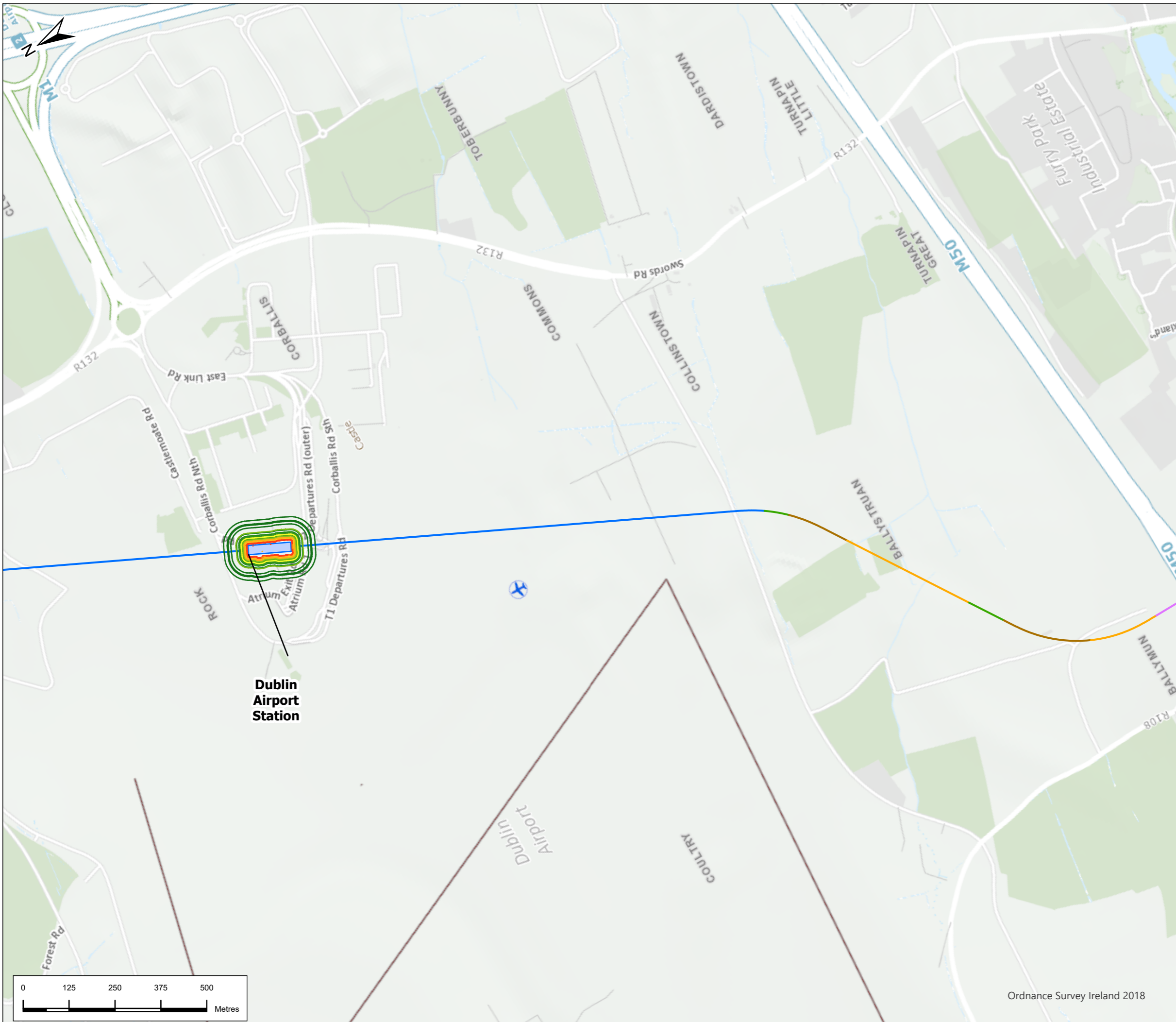
Scale @ A3: 1:10,000 DO NOT SCALE

Jacobs No.: 32108600  
Client No.:

Drawing No.: ML1-JAI-EIA-ROUT\_XX-DR-Y-14020 Rev P02

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### Legend

Alignment	9 mmps	2 mmps
Cut & Cover	10 mmps	3 mmps
Incline	11 mmps	4 mmps
Retained Cut	12 mmps	5 mmps
Surface	188	6 mmps
Tunnel	1 mmps	7 mmps
Viaduct	2 mmps	8 mmps
Station Locations	3 mmps	9 mmps
	4 mmps	10 mmps
	5 mmps	11 mmps
	6 mmps	12 mmps
	7 mmps	13 mmps
	8 mmps	14 mmps
	9 mmps	15 mmps
	10 mmps	16 mmps
	375	
	1 mmps	



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
 Sheet 3 of 7

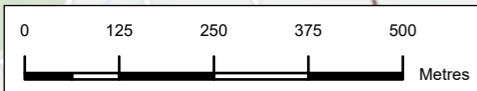
Drawing Status  
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Scale @ A3  
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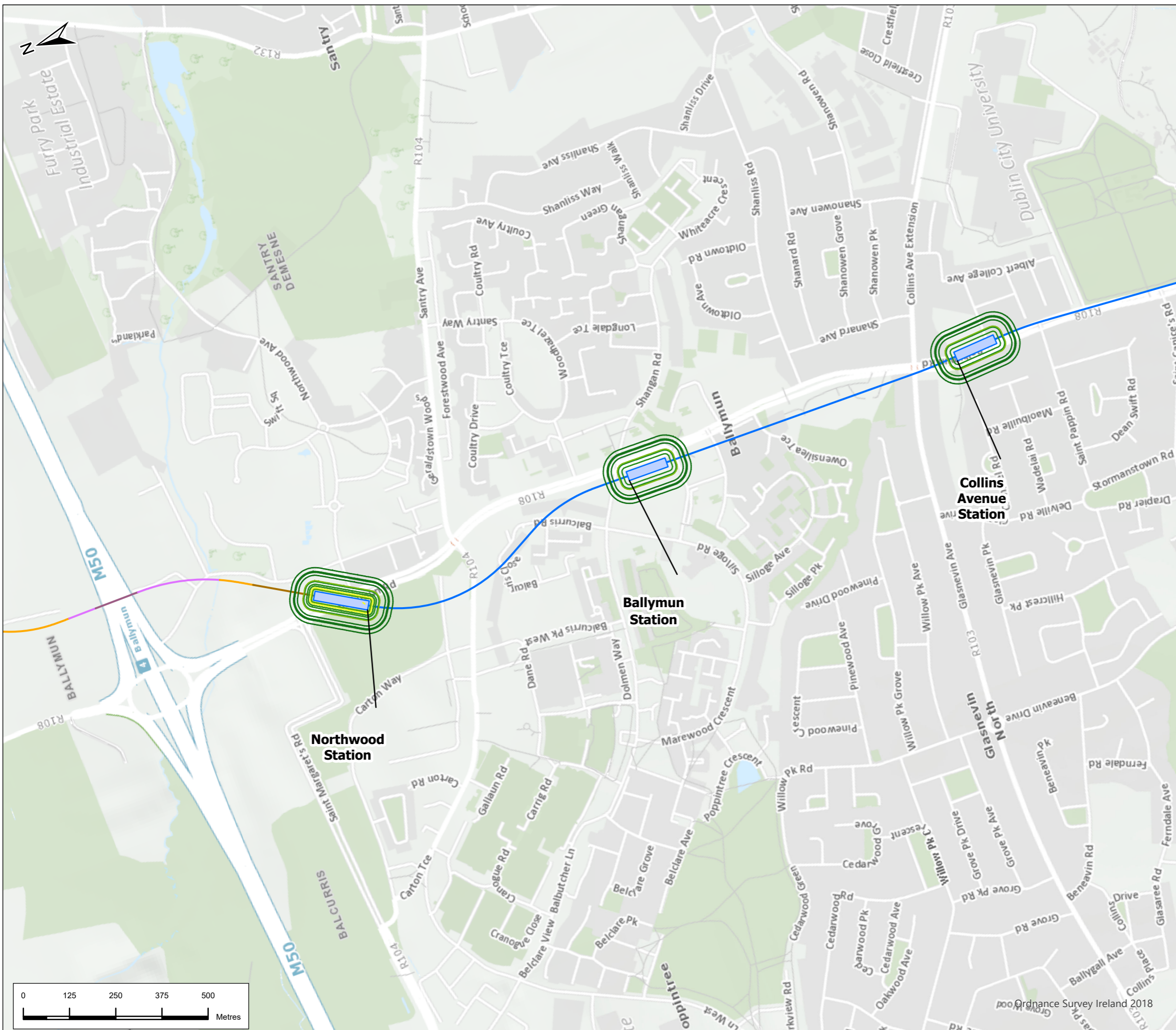
JACOBS No. 32108600

Drawing No. ML1-JAI-EIA-ROUT\_XX-DR-Y-14021 Rev P02

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### Legend

Alignment	2 mmps
Cut & Cover	3 mmps
Incline	188
Retained Cut	1 mmps
Surface	2 mmps
Tunnel	375
Viaduct	1 mmps
Station Locations	2 mmps
25	3 mmps
1 mmps	4 mmps



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

**JACOBS IDOM**

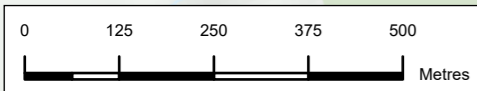
**TII**  
 Bonnagar Iompair Éireann  
 Transport Infrastructure Ireland

**METROLINK**

Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
**Sheet 4 of 7**

Drawing Status	FINAL	
Scale @ A3	1:10,000	DO NOT SCALE
Jacobs No.	32108600	
Client No.		
Drawing No.	ML1-JAI-EIA-ROUT_XX-DR-Y-14022	Rev P02

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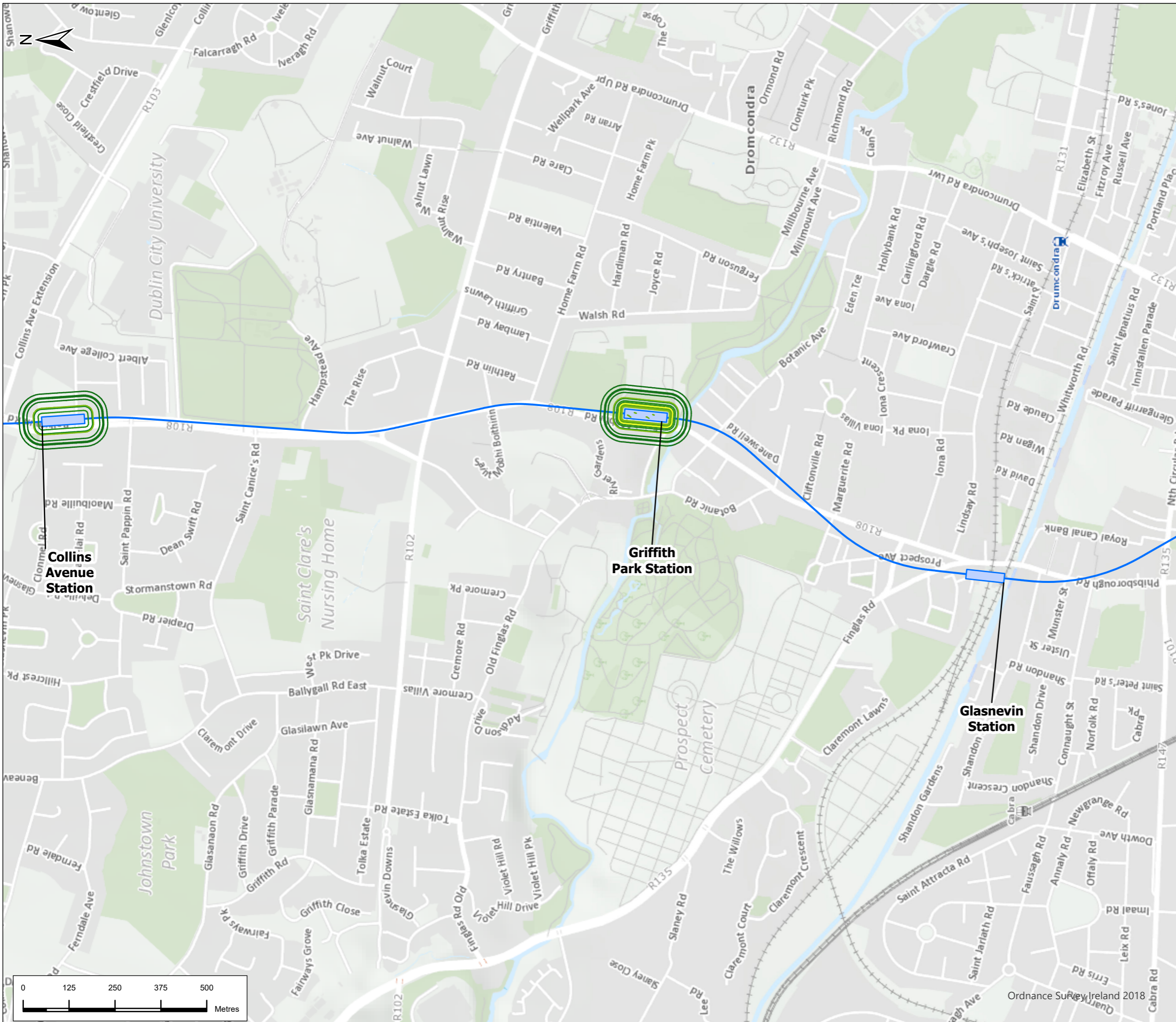


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© Ordnance Survey Ireland 2022/ OSI, NMA, 273. All elevations are in metres and relate to OSI Geoid Model (OSGM02) Malin Head as defined by existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLG).

File: \Europe-jacobs.com\Dublin\Gata\3\Sustainable Solutions\Metro North\11 - Mapping\Working\EAAR\_Drawings\CH 14 - Fig 14.4 Blasting Contours of PPV (Peak Particle Velocity).apx





### Legend

Alignment	Length
Cut & Cover	188
Incline	1 mmps
Retained Cut	2 mmps
Surface	3 mmps
Tunnel	375
Viaduct	1 mmps
Station Locations	2 mmps
25	3 mmps
1 mmps	4 mmps
2 mmps	5 mmps
3 mmps	



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
 Sheet 5 of 7

Drawing Status: **FINAL**

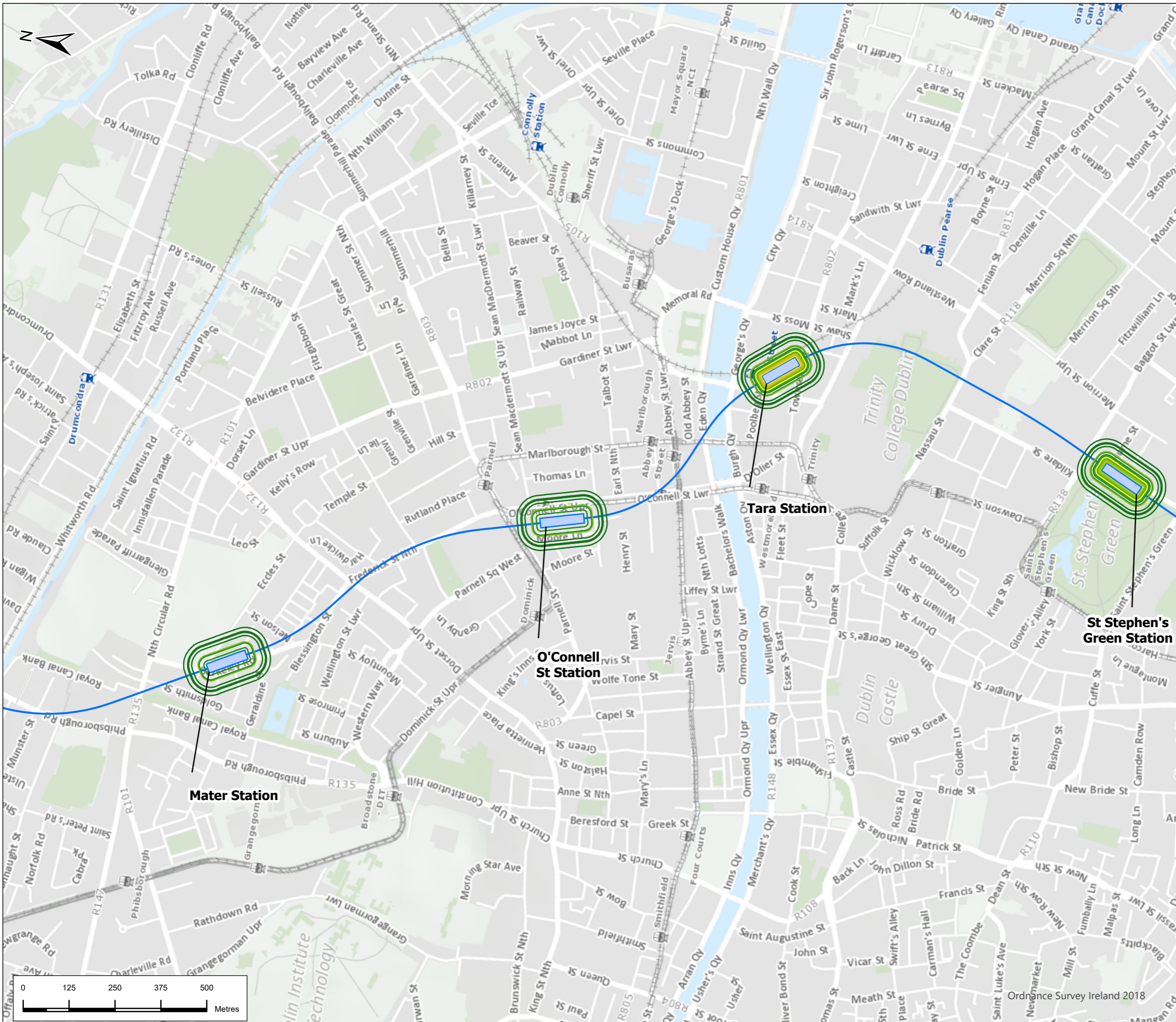
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JACOBS No. 32108600  
 Client No.

Drawing No. ML1-JAI-EIA-ROUT\_XX-DR-Y-14023 Rev P02

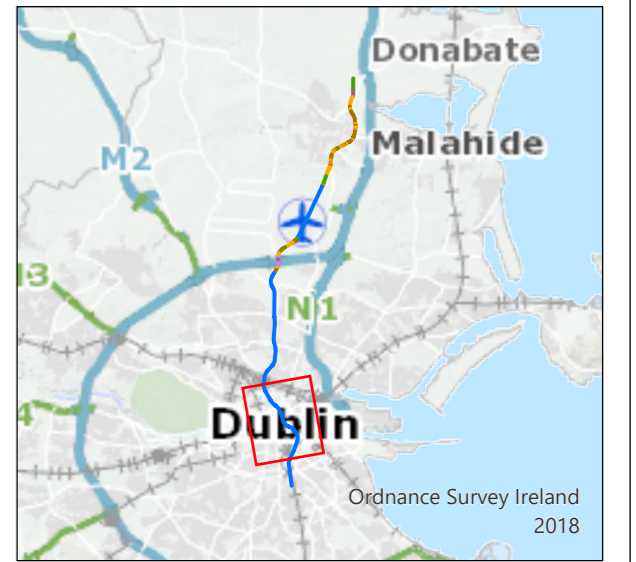
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### Legend

<b>Alignment</b>	188
Cut & Cover	1 mmps
Incline	2 mmps
Retained Cut	3 mmps
Surface	4 mmps
Tunnel	5 mmps
Viaduct	375
Station Locations	1 mmps
25	2 mmps
1 mmps	3 mmps
2 mmps	4 mmps
3 mmps	5 mmps
4 mmps	6 mmps
5 mmps	7 mmps
6 mmps	8 mmps



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



**METROLINK**

Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
 Sheet 6 of 7

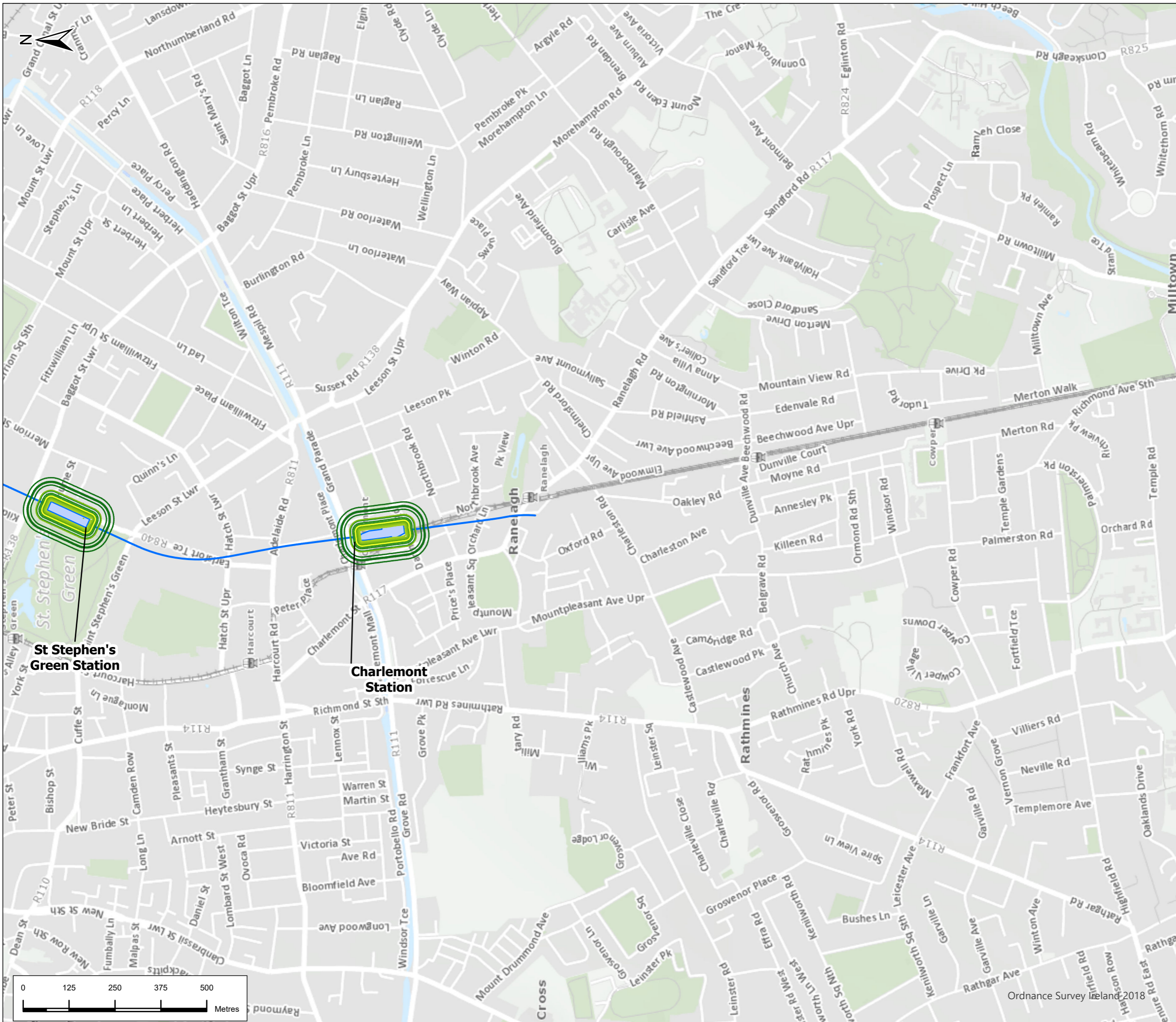
Drawing Status  
**FINAL**

Scale @ A3  
 1:10,000  
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JACOBS No. 32108600  
 Client No.  
 Drawing No. ML1-JAI-EIA-ROUT\_XX-DR-Y-14024  
 Rev P02

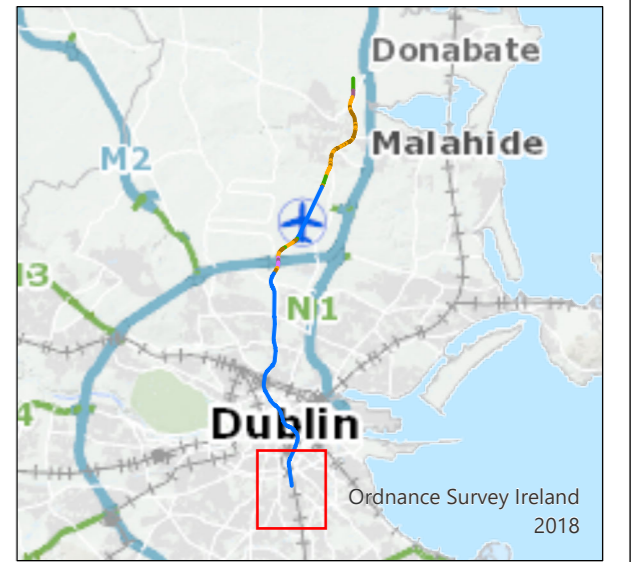
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### Legend

Alignment	188
Cut & Cover	1 mmps
Incline	2 mmps
Retained Cut	3 mmps
Surface	4 mmps
Tunnel	375
Viaduct	1 mmps
Station Locations	2 mmps
25	3 mmps
1 mmps	4 mmps
2 mmps	5 mmps
3 mmps	6 mmps
4 mmps	



P02	30/6/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Drawing Title  
**Figure 14.4 Blasting Contours of PPV (Peak Particle Velocity)**  
 Sheet 7 of 7

Drawing Status	FINAL	
Scale @ A3	1:10,000	DO NOT SCALE
JACOBS No.	32108600	
Client No.		
Drawing No.	ML1-JAI-EIA-ROUT_XX-DR-Y-14025	Rev P02

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