

Legend

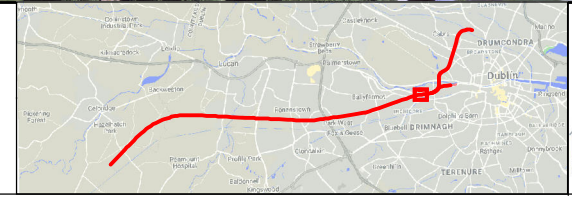
- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- GS2: Dry meadows and grassy verges
- WL2: Treelines
- WS1: Scrub and GS2: Dry meadows and grassy verges
- WS2: Immature woodland
- IAPS Locations**
- ◆ Spanish Bluebell *Hyacinthoides hispanica*



Data source: OSi, EPA

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Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Member of the SNC-Lavalin Group) supported by **rps**

Date: 22/02/2023 Scale: 1:1,800 @ A3

Project Code: 5195886 Issuer: TTA

Drawn: NR Checked: HF Approved: MN

QMS Code: _____

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 12 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY


Legend


 Red Line Development Boundary


Landtake Boundaries


 Temporary


Habitats

 ED3: Recolonising bare ground

 FL8: Other artificial lakes and ponds


 GA2: Amenity grassland (improved)


 GS2: Dry meadows and grassy verges

 WL1: Hedgerows


 WL2: Treelines


 WS1: Scrub

 WS1: Scrub and GS2: Dry meadows and grassy verges

 WS2: Immature woodland

IAPS Locations

 Spanish Bluebell *Hyacinthoides hispanica*

 Three-cornered Leek *Allium triquetrum*

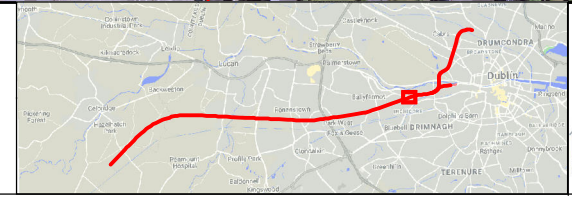


Data source: OSI, ERA





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Rev	Date	Drn	Ch'kd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client		Engineering Designer		
				
Date: 22/02/2023		Scale: 1:1,800 @ A3		
Project Code: 5195886		Issuer: TTA		
Drawn: NR		Checked: HF		
Approved: MN		OMS Code:		

Project Title		DART + SOUTH WEST		
Drawing Title		Habitats and Invasive Alien Plant Species (Map 13 of 44)		
Drawing File Name		DP-04-23-DWG-EV-TTA-23750		
Version	Status			
v06	S3			

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



Legend

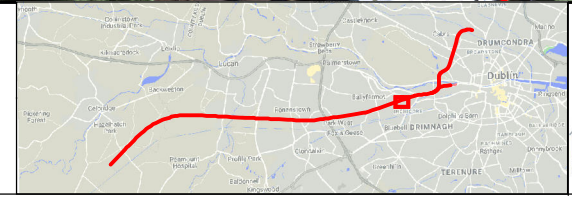
- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- FL8: Other artificial lakes and ponds
- GA2: Amenity grassland (improved)
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub
- WS1: Scrub and GS2: Dry meadows and grassy verges
- WS2: Immature woodland



Data source: OSi, EPA

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v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (TVPSA Member of the SNC-Lavalin Group) supported by **rps**

Date: 22/02/2023 Scale: 1:1,800 @ A3

Project Code: 5195886 Issuer: TTA

Drawn: NR Checked: HF Approved: MN

QMS Code

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 14 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	Status
		v06	S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub and GS2: Dry meadows and grassy verges

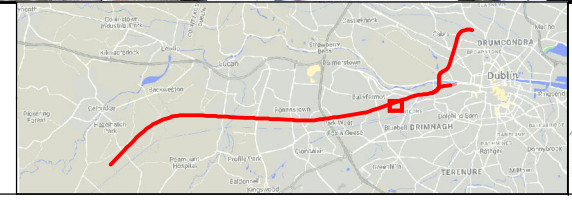


Data source: OSI, EPA



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v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **TVPSA ATKINS** (Member of the SNC-Lavalin Group)

Supported by: **rps**

Date: 22/02/2023 | Scale: 1:1,800 @ A3

Project Code: 5195886 | Issuer: TTA

QMS Code: NR | Checked: HF | Approved: MN

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 15 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub
- WS1: Scrub and GS2: Dry meadows and grassy verges
- IAPS Locations**
- Japanese Knotweed *Reynoutria japonica*
- ◆ Spanish Bluebell *Hyacinthoides hispanica*

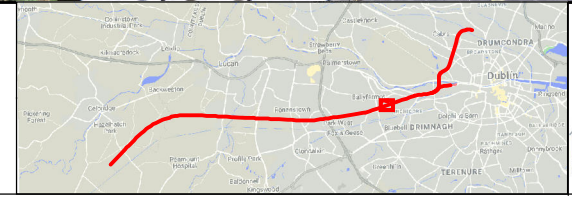


Data source: OSi, EPA



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v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client		Engineering Designer		
Iarnród Éireann Irish Rail		TVPSA	ATKINS	TUC RAIL
Date: 22/02/2023		Supported by: rps		
Scale: 1:1,800 @ A3	Drawn: NR	Checked: HF	Approved: MN	
Project Code: 5195886	Issuer: TTA	OMS Code		

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 16 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	Status
		v06	S3

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Legend

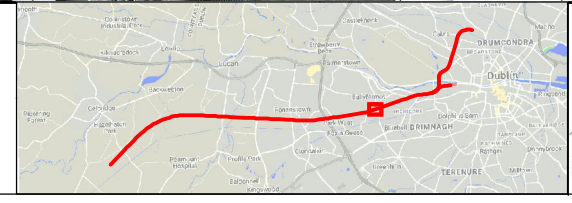
- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- WL1: Hedgerows
- WS1: Scrub
- WS1: Scrub and GS2: Dry meadows and grassy verges



Data source: OSi, EPA

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v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Member of the SNC-Lavalin Group) supported by **rps**

Date: 22/02/2023 Scale: 1:1,800 @ A3

Project Code: 5195886 Issuer: TTA

Checked: NR, Approved: MN

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 17 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED2: Spoil and bare ground
- ED3: Recolonising bare ground
- GA1: Improved agricultural grassland
- GA2: Amenity grassland (improved)
- GS1: Dry calcareous and neutral grassland
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub and GS2: Dry meadows and grassy verges

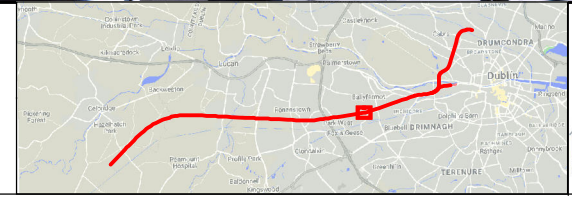


Data source: OSI, EPA



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Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client		Engineering Designer		
Iarnród Éireann Irish Rail				
Date: 22/02/2023		Supported by:		
Scale: 1:1,800 @ A3	Drawn: NR	Checked: HF	Approved: MN	
Project Code: 5195886	Issuer: TTA	OMS Code		

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 18 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	Status
		v06	S3

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Legend

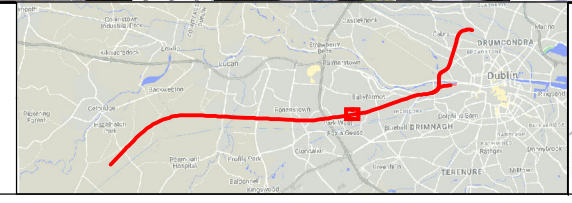
- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED2: Spoil and bare ground
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub and GS2: Dry meadows and grassy verges



Data source: OSi, EPA

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v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Member of the SNC-Lavalin Group) supported by **rps**

Date: 22/02/2023 | Scale: 1:1,800 @ A3

Project Code: 5195886 | Issuer: TTA

Drawn: NR | Checked: HF | Approved: MN

QMS Code: _____

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 19 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- WL1: Hedgerows
- WS1: Scrub and GS2: Dry meadows and grassy verges

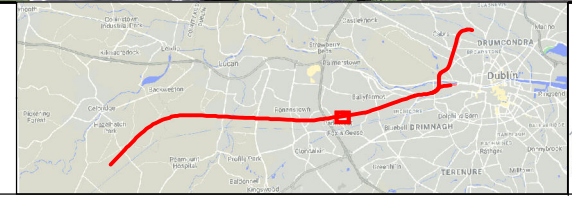


Data source: OSi, EPA



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Rev	Date	Drn	Ch'kd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Date: 22/02/2023 | Scale: 1:1,800 @ A3

Project Code: 5195886 | Issuer: TTA

Engineering Designer: **ATKINS** (TVPSA Member of the SNC-Lavalin Group) supported by **rps**

Drawn: NR | Checked: HF | Approved: MN

QMS Code: _____

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 20 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

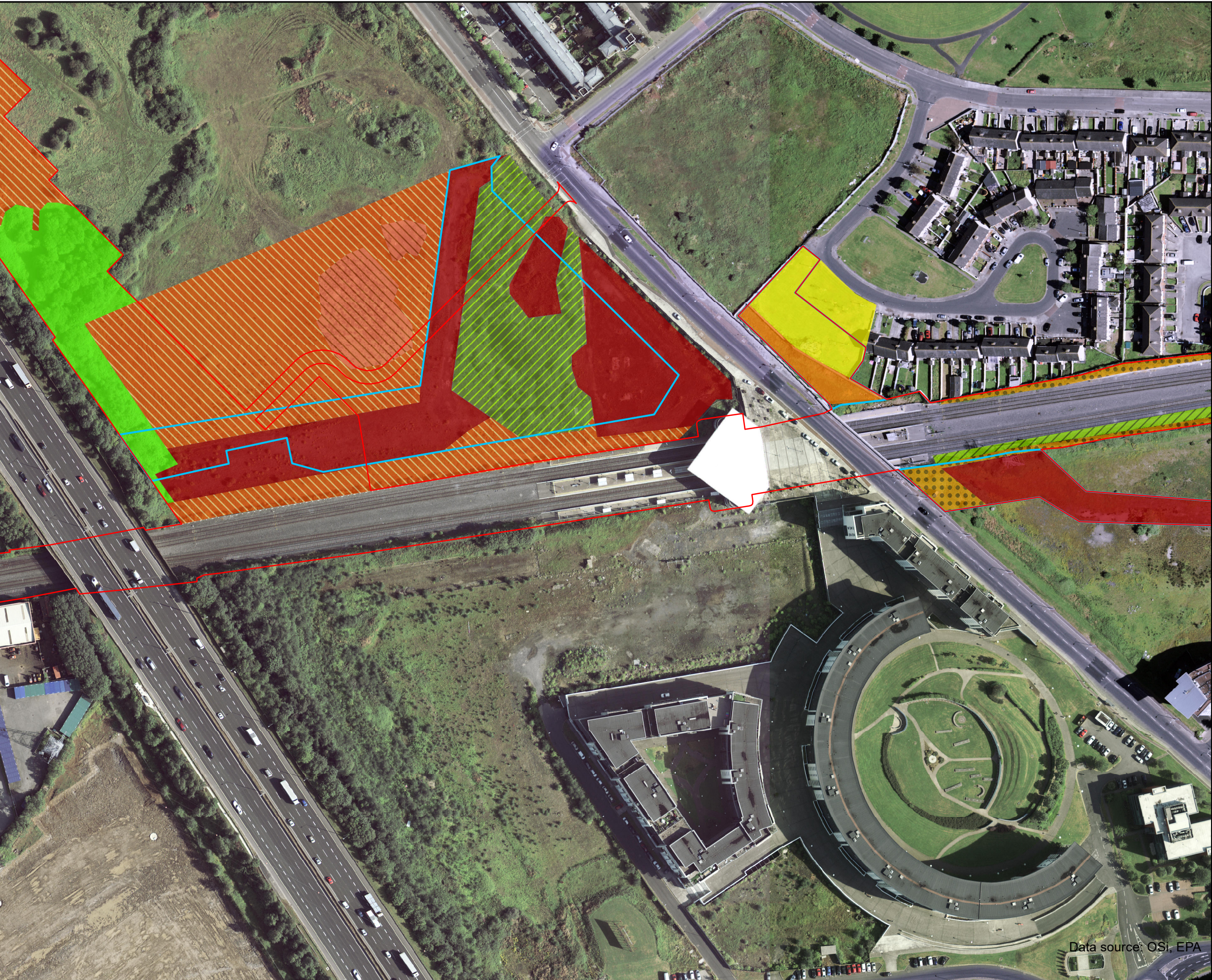
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- GA1: Improved agricultural grassland
- GS1: Dry calcareous and neutral grassland
- GS2: Dry meadows and grassy verges
- GS4: Wet grassland
- WD1: (Mixed) broadleaved woodland
- WL1: Hedgerows
- WS1: Scrub and GS2: Dry meadows and grassy verges
- WS1: Scrub and WD1: (Mixed) broadleaved woodland

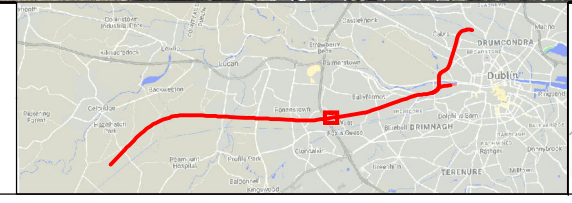


Data source: OSi, EPA



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v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Member of the SNC-Lavalin Group), supported by **rps**

Date: 22/02/2023 | Scale: 1:1,800 @ A3

Project Code: 5195886 | Issuer: TTA

Drawn: NR | Checked: HF | Approved: MN

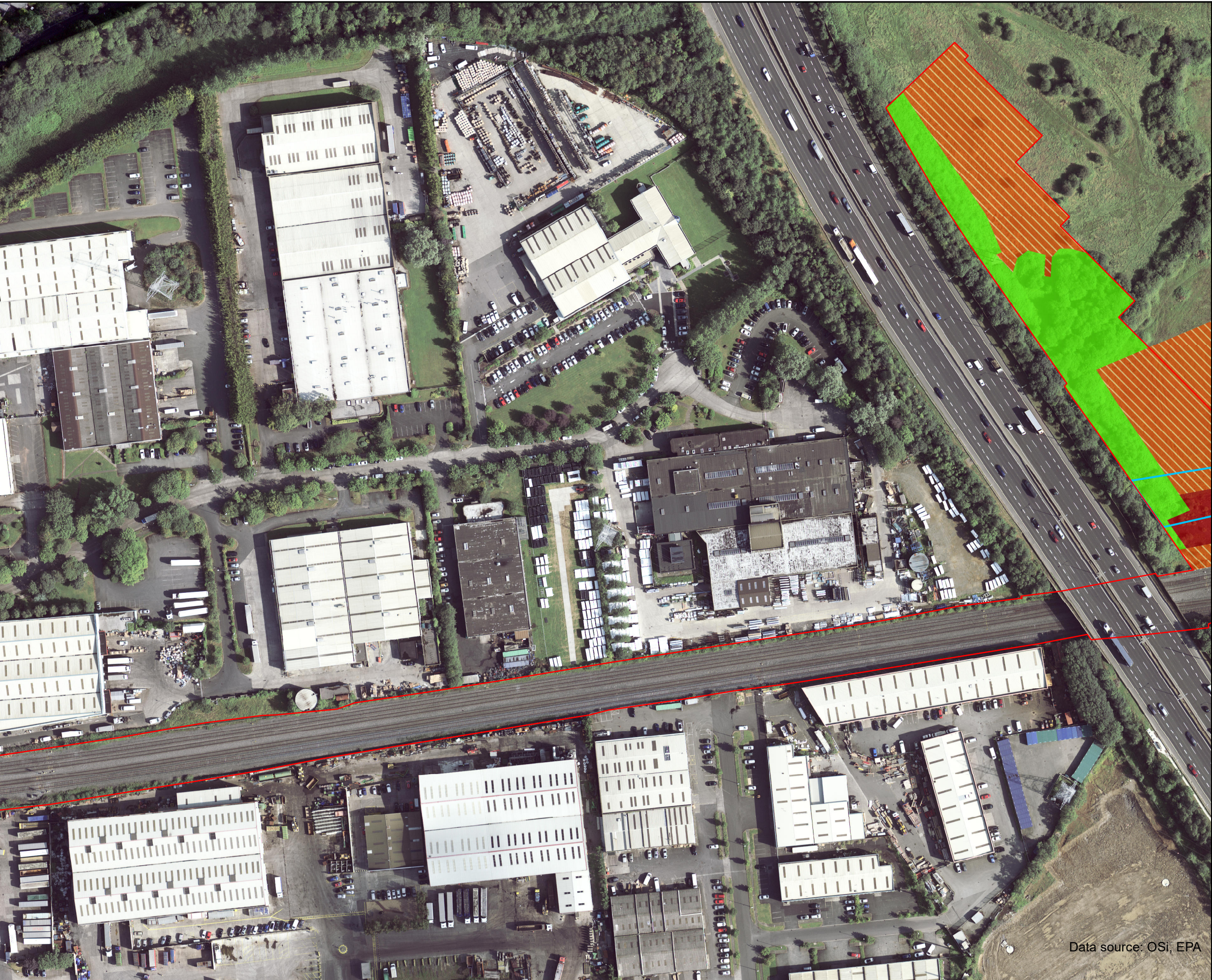
QMS Code: _____

Project Title	DART + SOUTH WEST		
Drawing Title	Habitats and Invasive Alien Plant Species (Map 21 of 44)		
Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

- Red Line Development Boundary
- Landtake Boundaries**
- Temporary
- Habitats**
- ED3: Recolonising bare ground
- GS2: Dry meadows and grassy verges
- WD1: (Mixed) broadleaved woodland

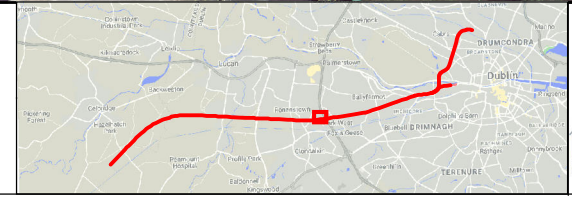


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v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client		Engineering Designer		
		Supported by:		
Date	Scale	Drawn	Checked	Approved
22/02/2023	1:1,800 @ A3	NR	HF	MN
Project Code	Issuer	QMS Code		
5195886	TTA			

Project Title		DART + SOUTH WEST	
Drawing Title		Habitats and Invasive Alien Plant Species (Map 22 of 44)	
Drawing File Name	Version	Status	
DP-04-23-DWG-EV-TTA-23750	v06	S3	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY