

LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 60M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - SI-INNER PROTECTION AREA
 - SI-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dn	Ch'd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D-WP56 | Originator Code: ARP

Drawn: DM | Checked: SH | Approved: COD

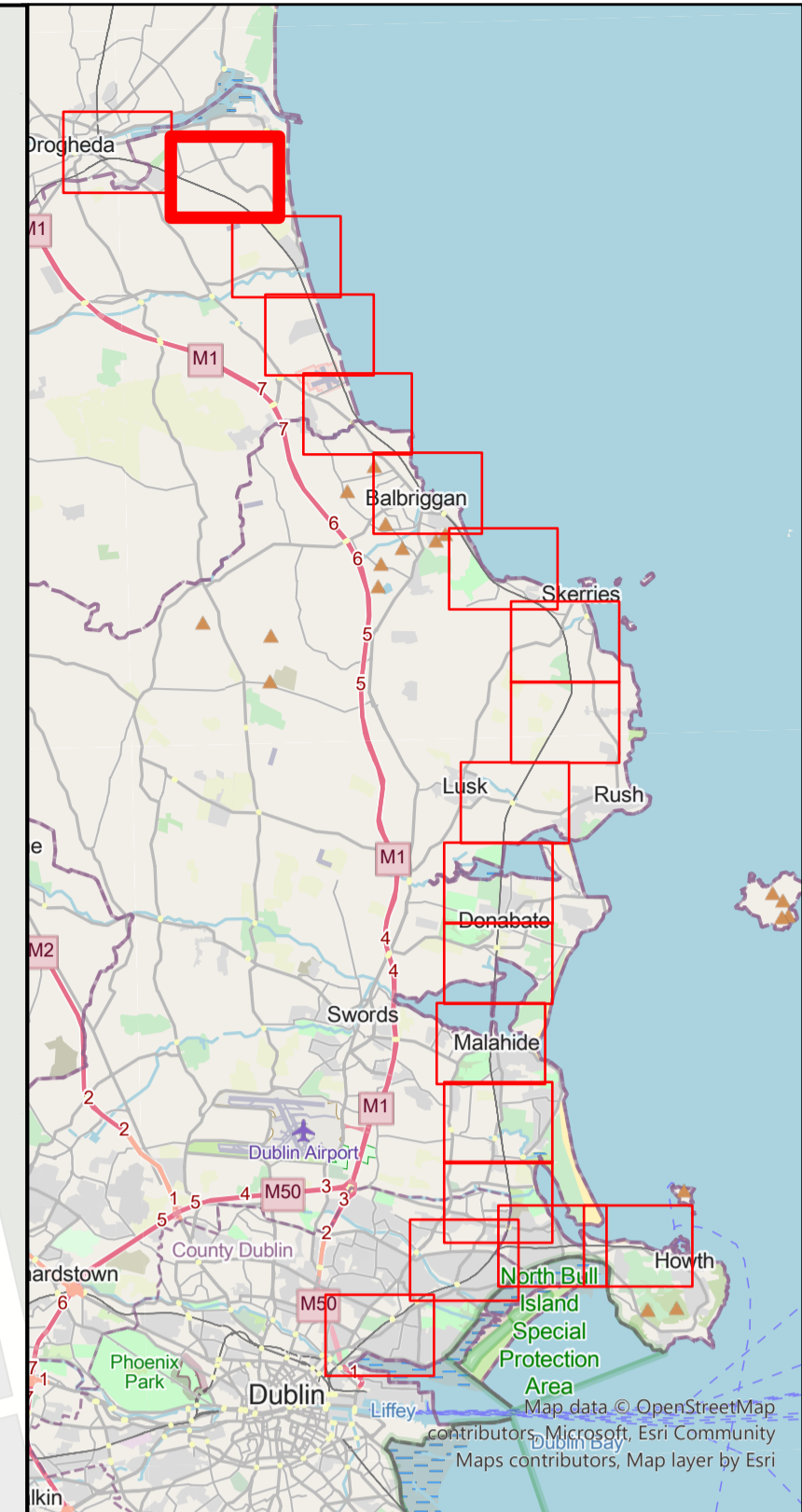
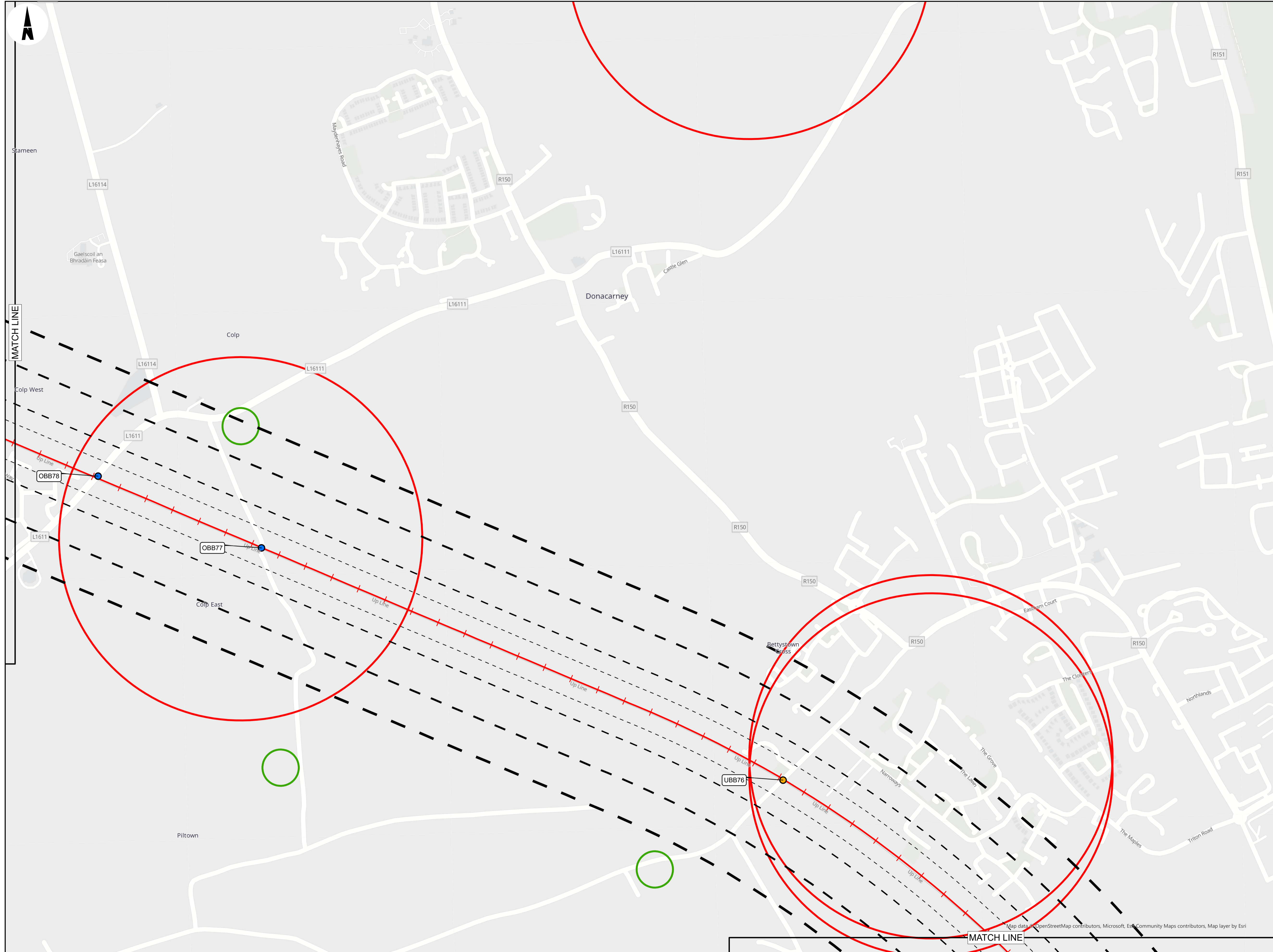
OMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D-WP56-ARP-ZZ-NL-OR-EV-000401

Sheet Number: 1 of 19 | Status: 902 | Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
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P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1 | 1:10000 @ A3

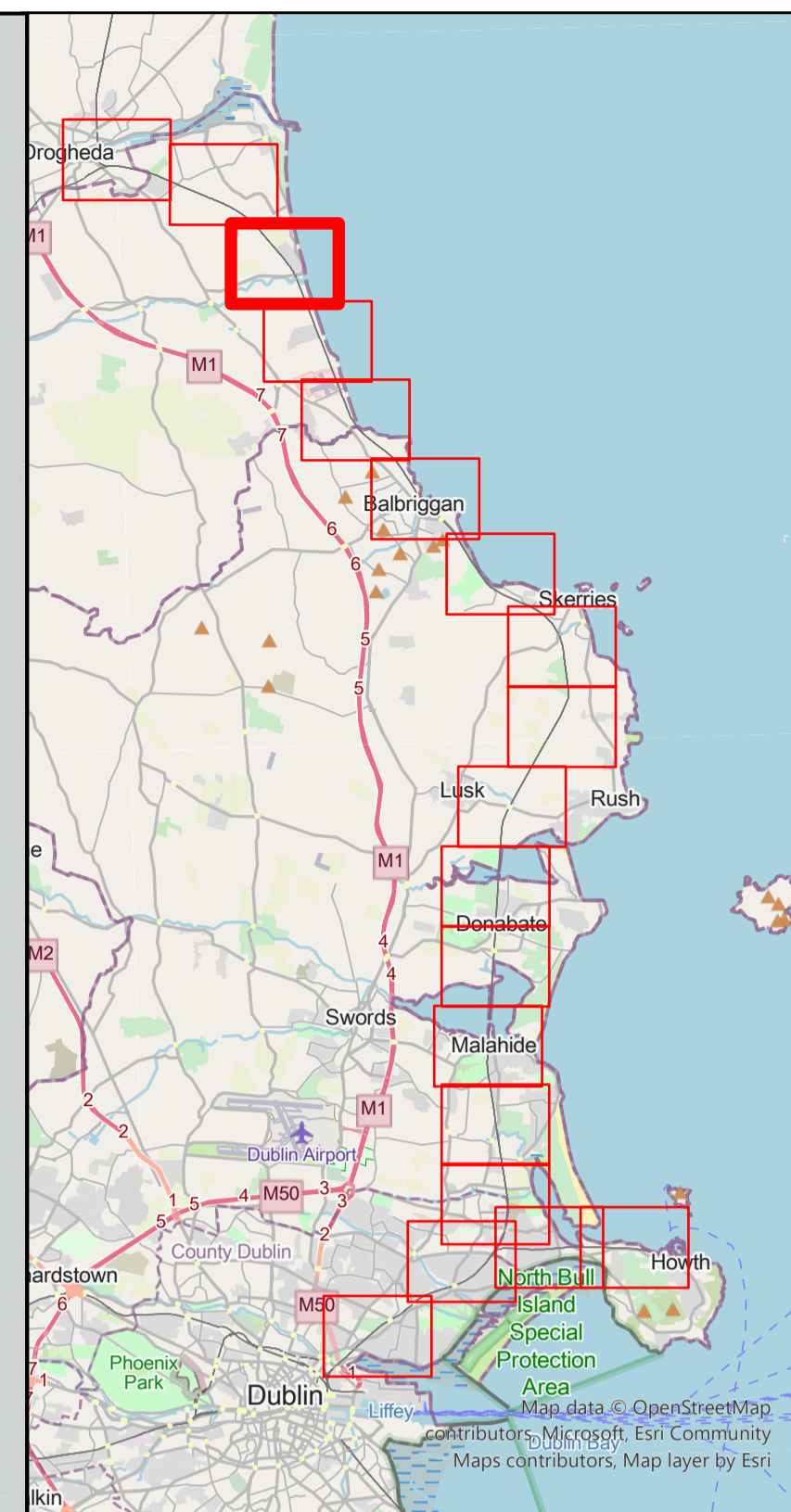
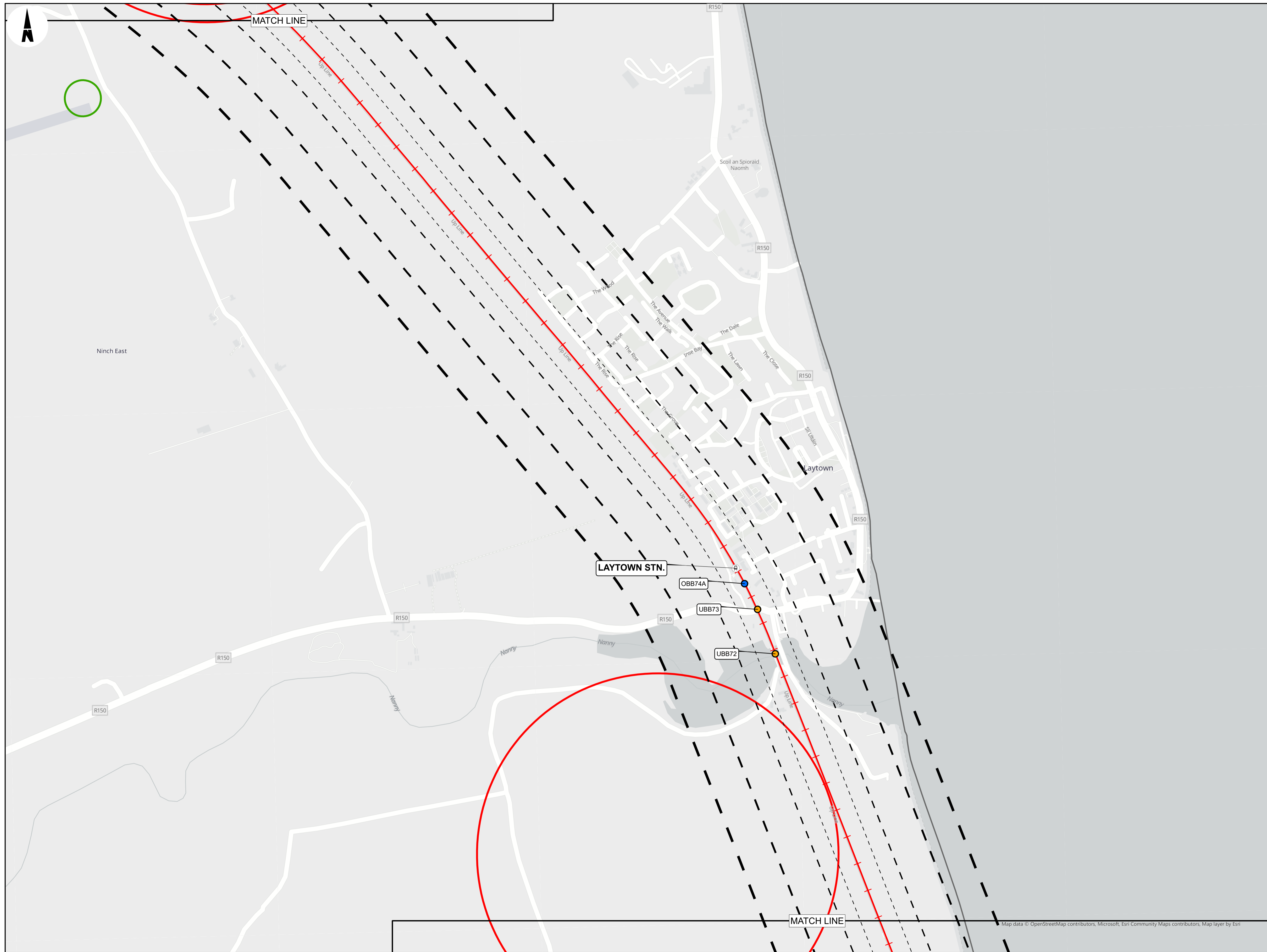
Project Code: D+WP56 | Originator Code: ARP | OMS Code: 279933-00

Drawn: DM | Checked: SH | Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000402 | Sheet Number: 2 of 19 | Status: 902 | Rev: P03



LEGEND

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P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 | Originator Code: ARP

QMS Code: 279933-00

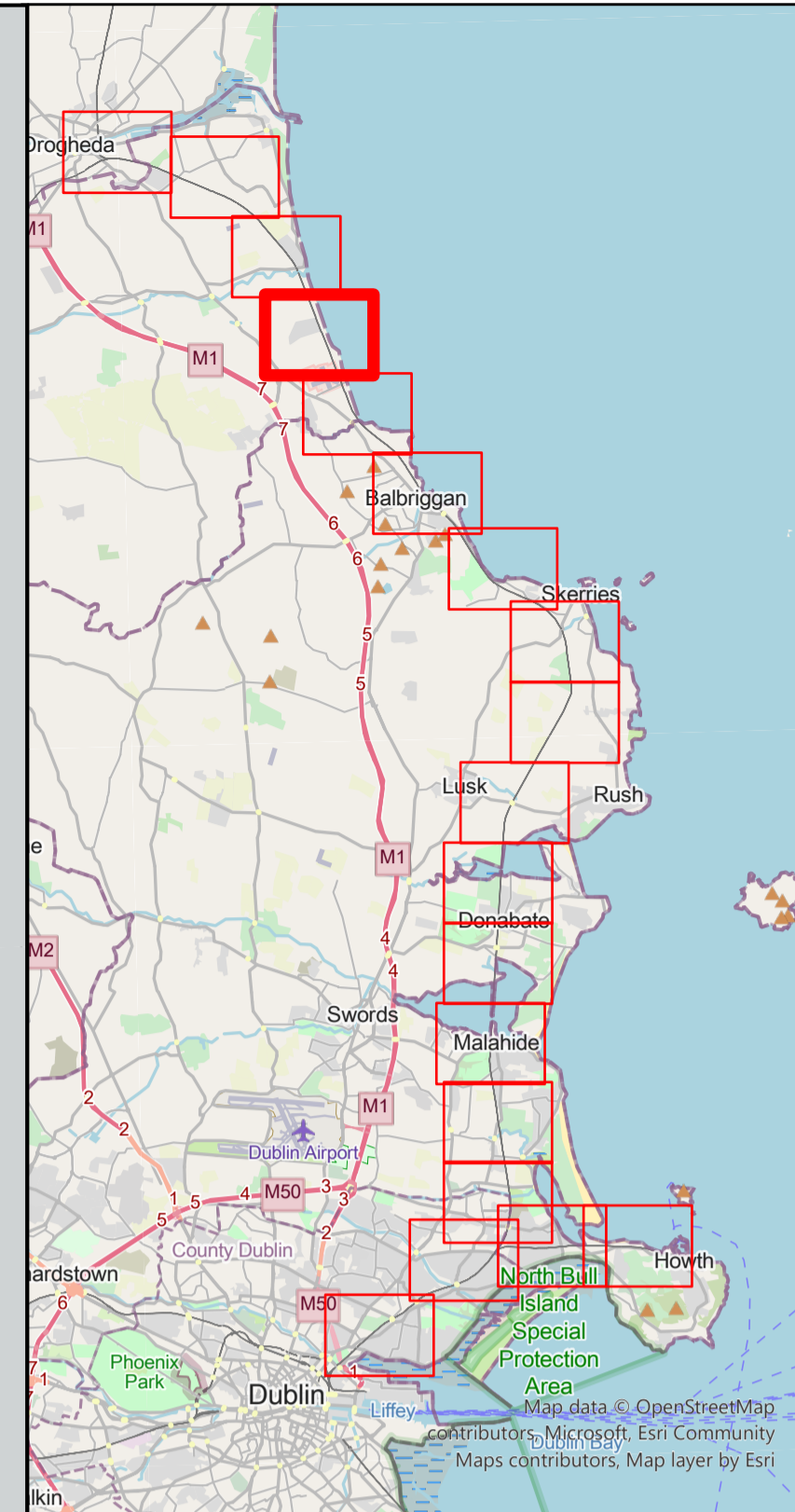
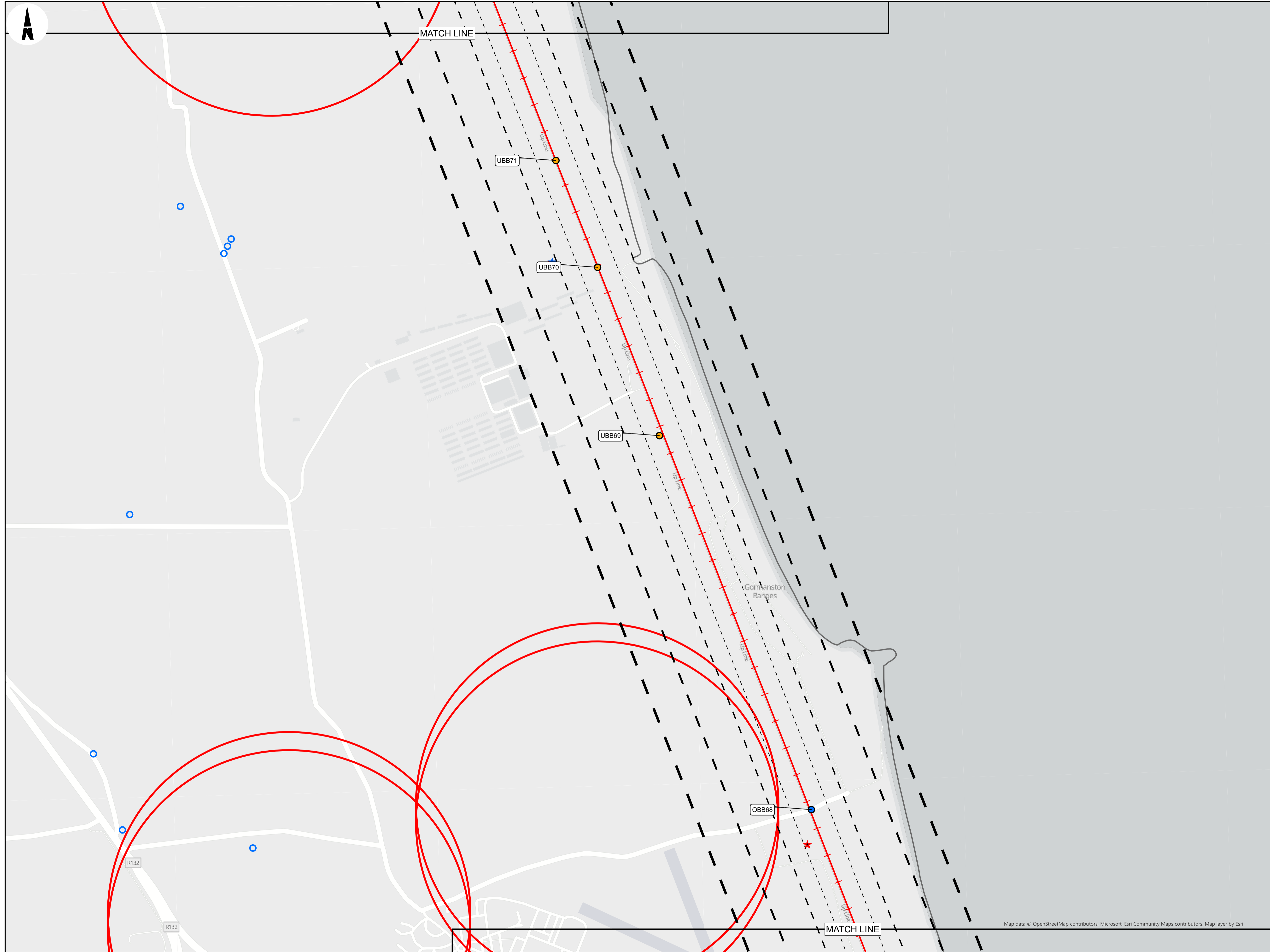
Drawn: DM | Checked: SH | Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000403

Sheet Number: 3 of 19 | Status: 902 | Rev: P03



LEGEND

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 - 50M
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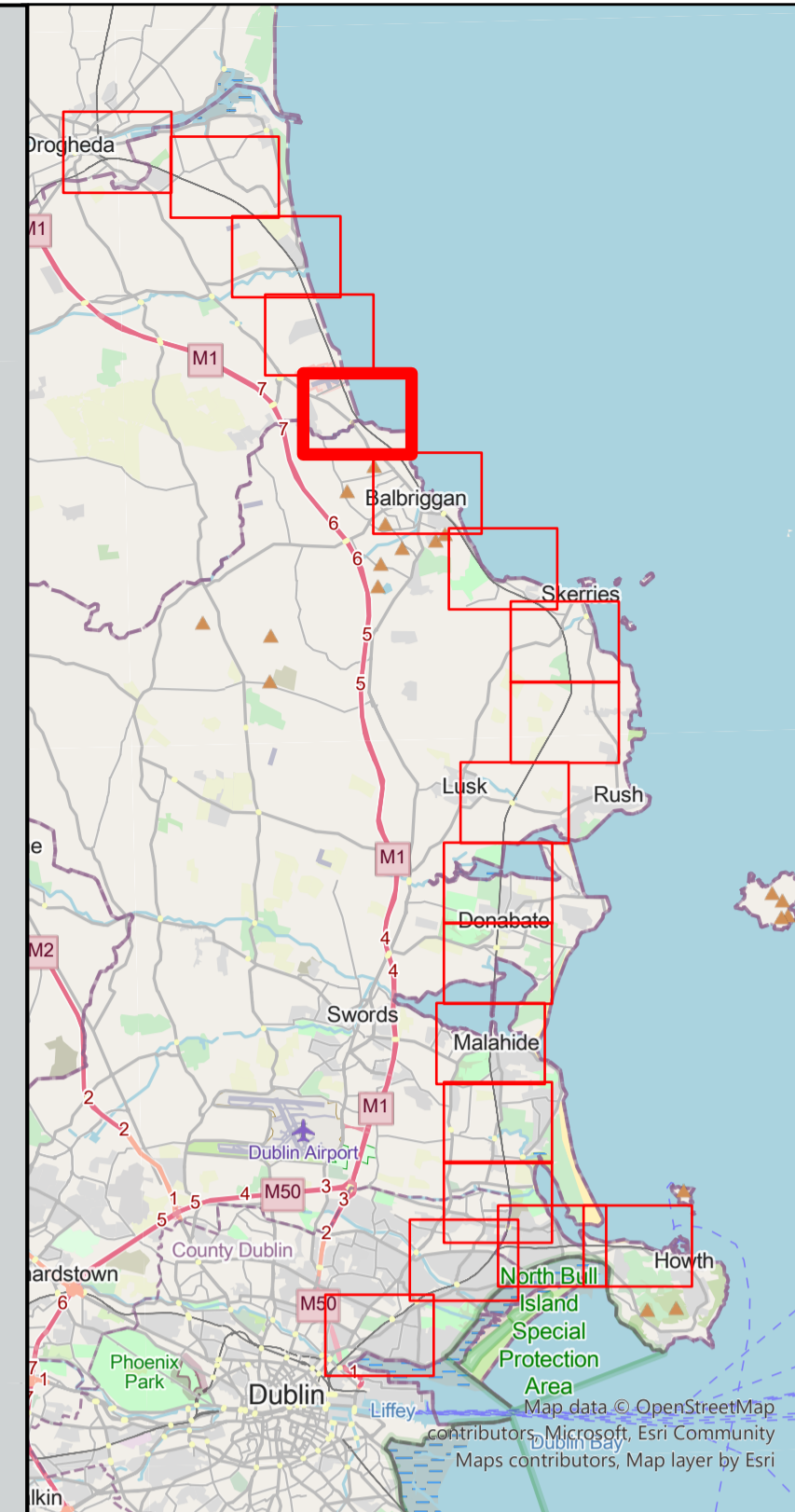
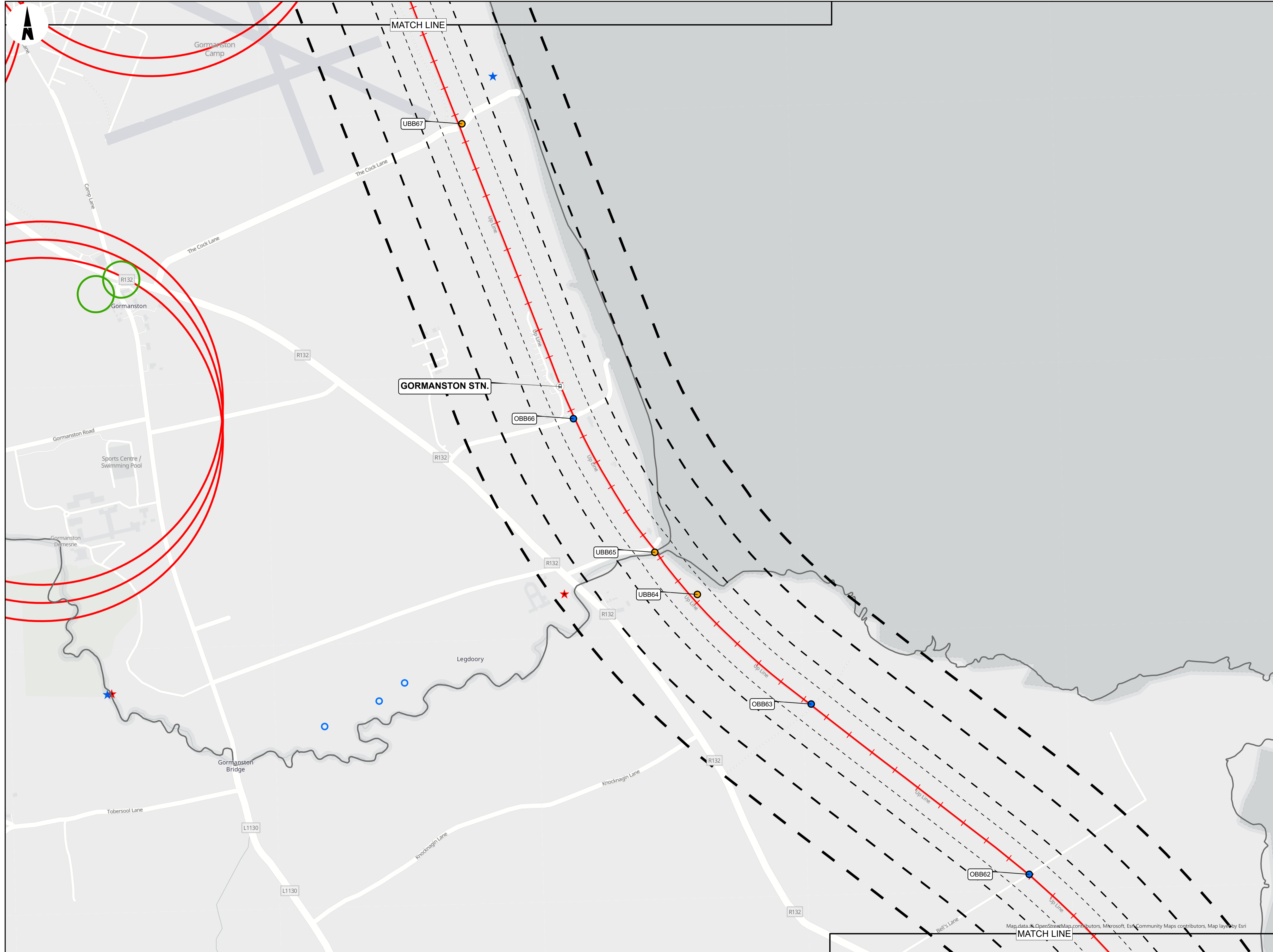
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P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client		Engineering Designer		Project Title	
Iarnród Éireann Irish Rail		ARUP		DART+ COASTAL NORTH	
Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000404	

Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000404	

Drawing Title		Sheet Number		Status	Rev
CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP		4 of 19		902	P03



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P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1, 1:10000 @ A3

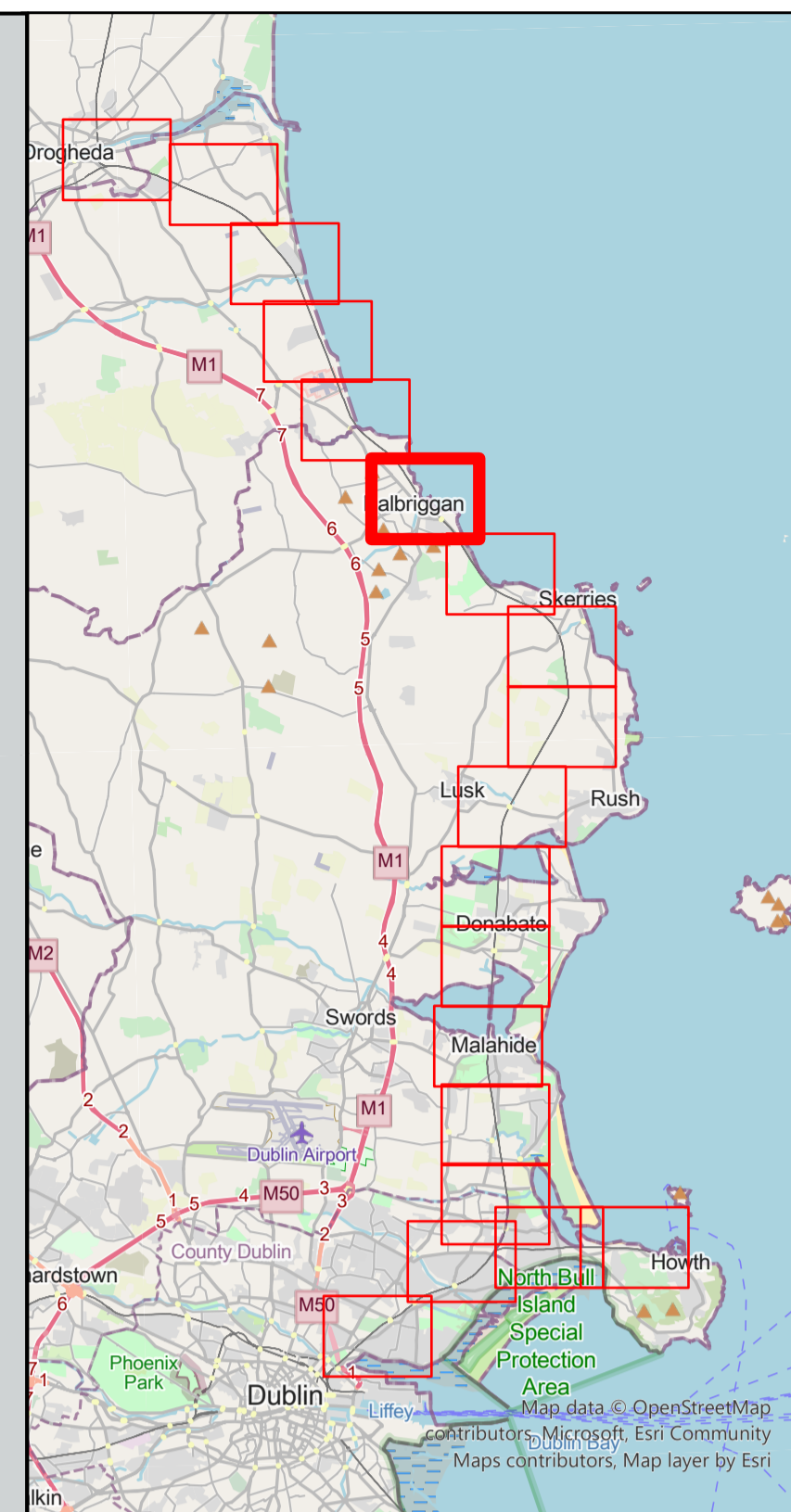
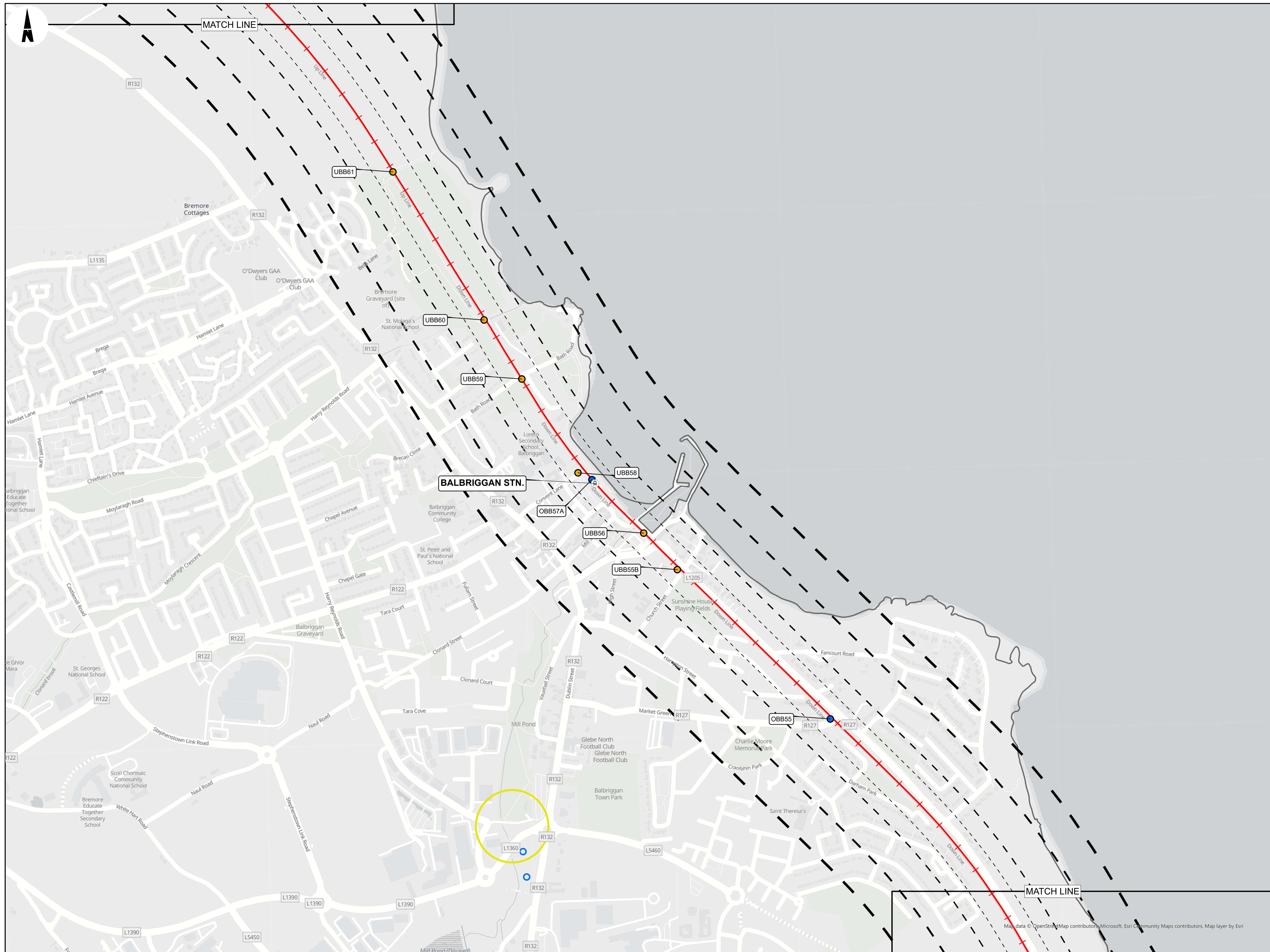
Project Code: D+WP56 Originator Code: ARP OMS Code: 279933-00

Drawn	DM	Checked	SH	Approved	COD
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Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000405 Sheet Number: 6 of 19 Status: 902 Rev: P03



LEGEND

- RAILWAY STATIONS
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P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Drawn	DM	Checked	SH	Approved	COD
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OMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

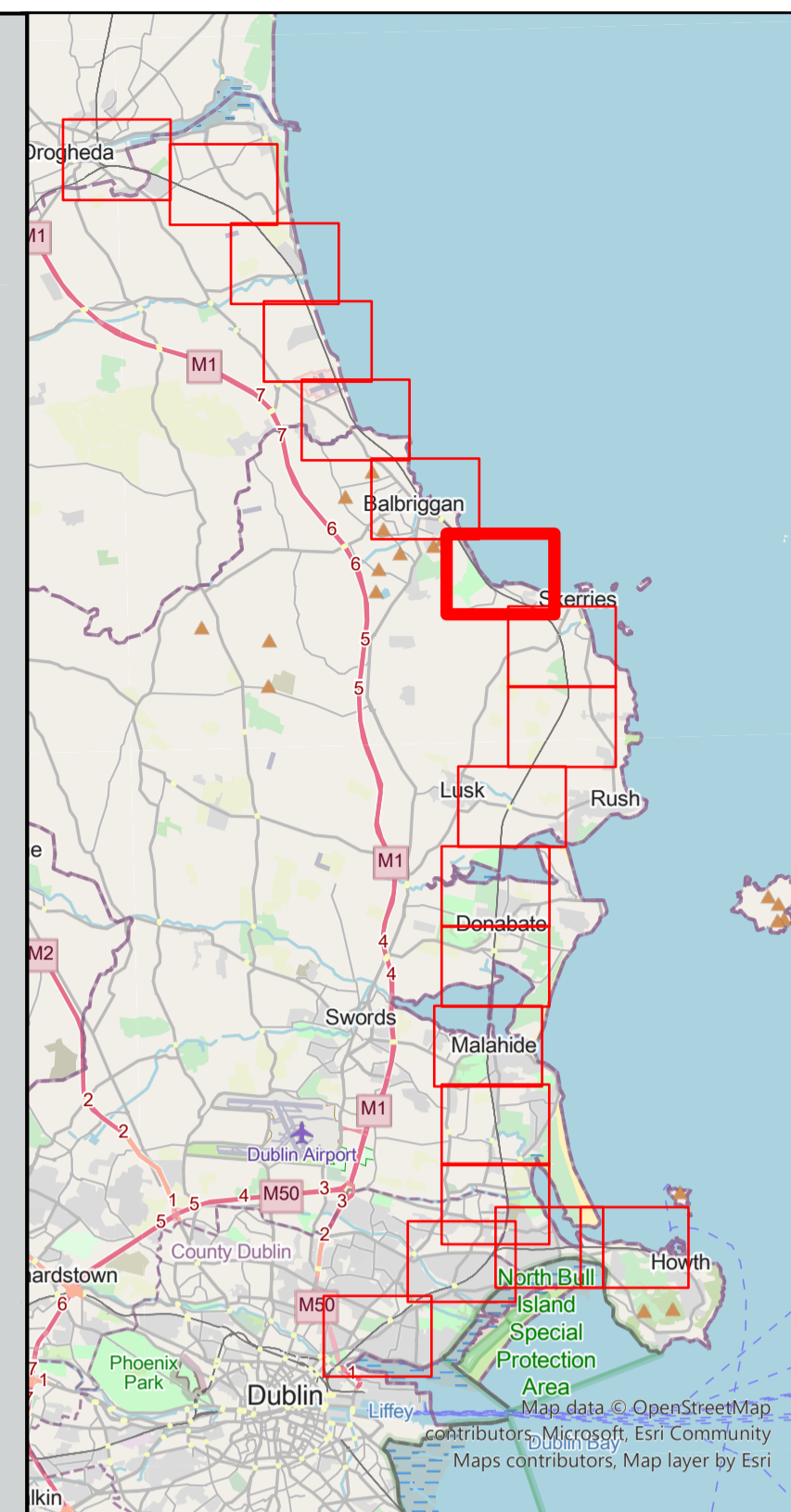
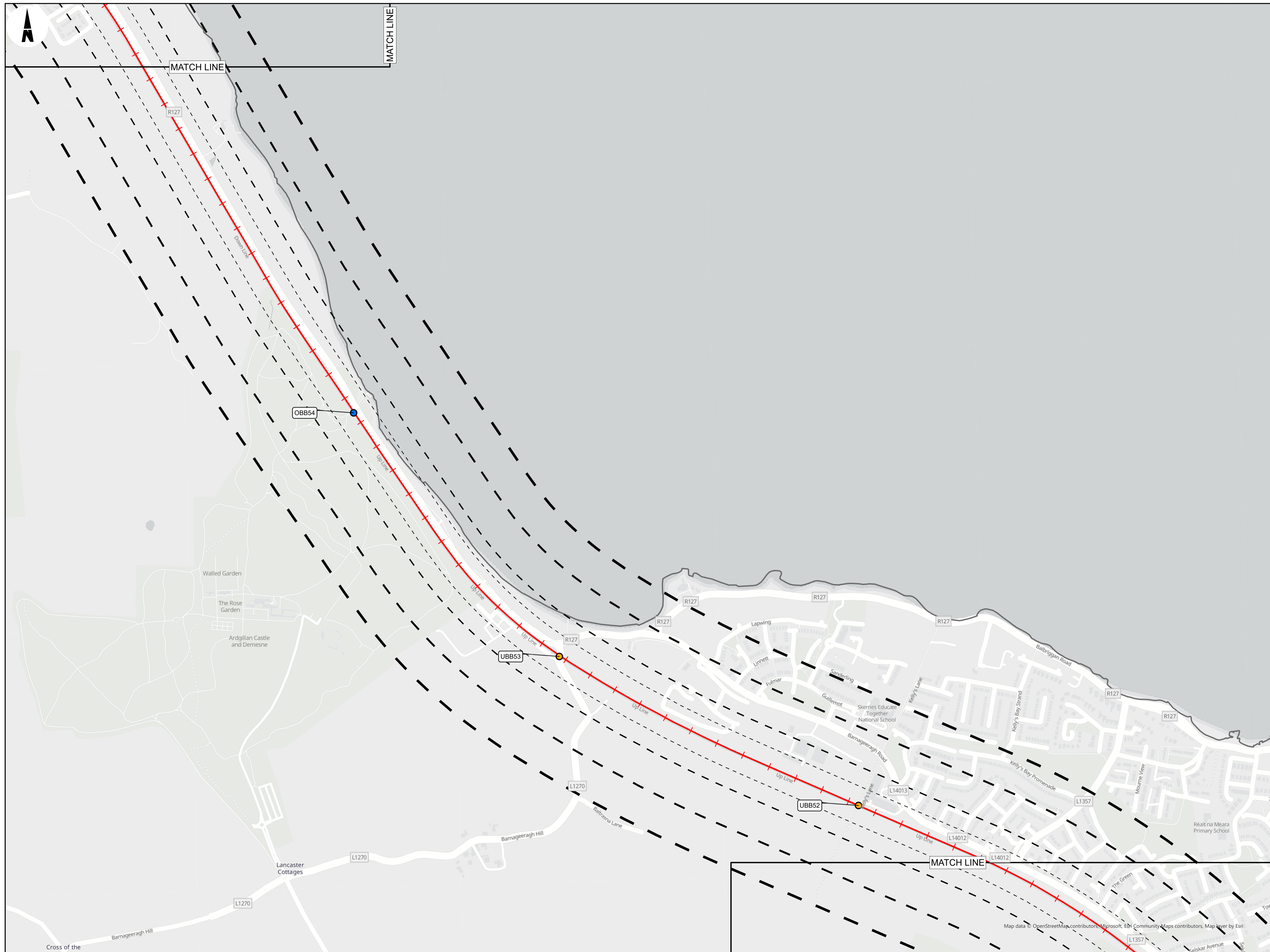
Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000406

Sheet Number: 6 of 19

Status: 902

Rev: P03



LEGEND

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P01	30/09/2021	DM	SH	COD	
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P03	10/12/2021	DM	SH	COD	

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P01	30/09/2021	DM	SH	COD	
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P03	10/12/2021	DM	SH	COD	

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1, 1:10000 @ A3

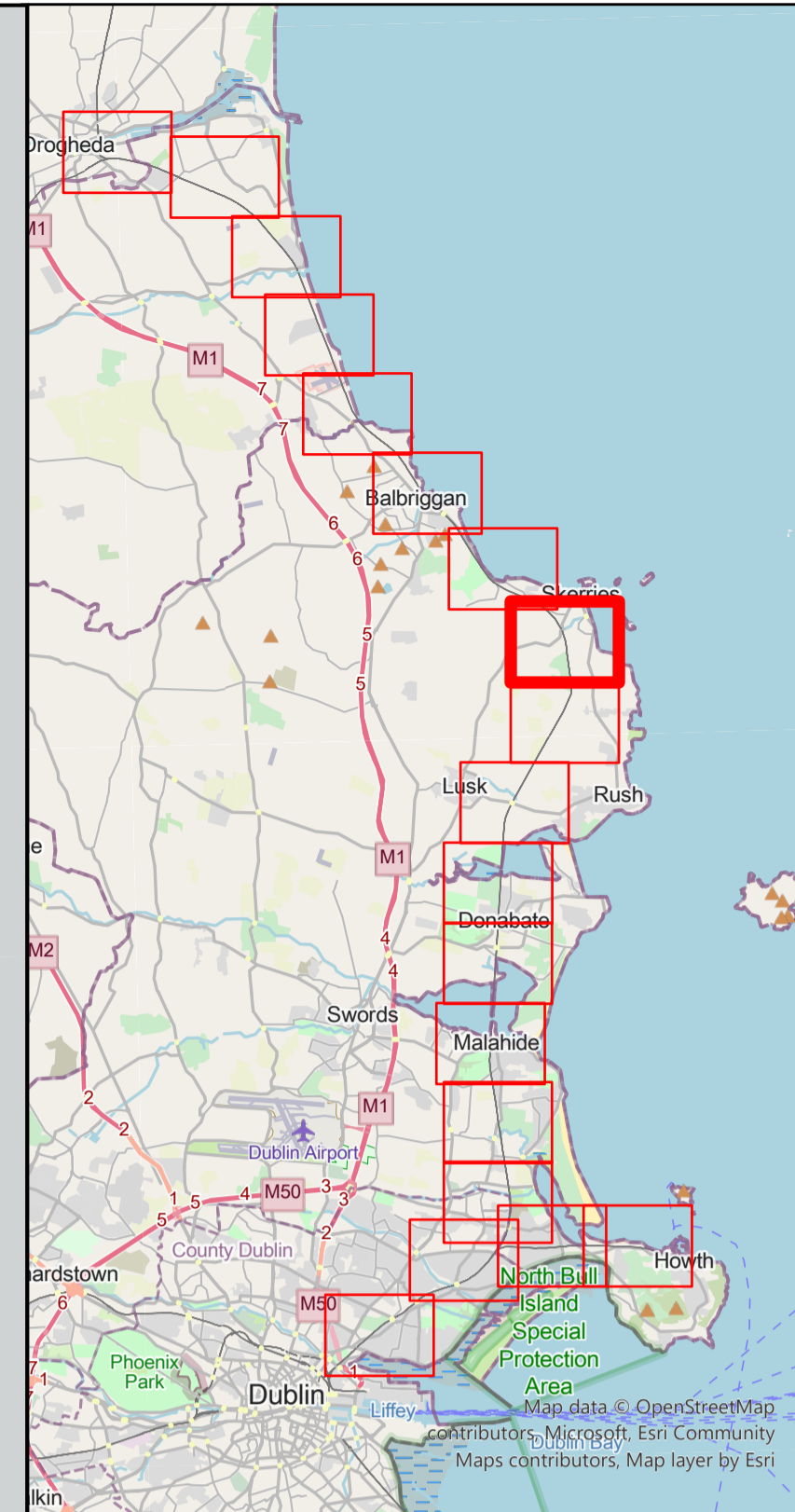
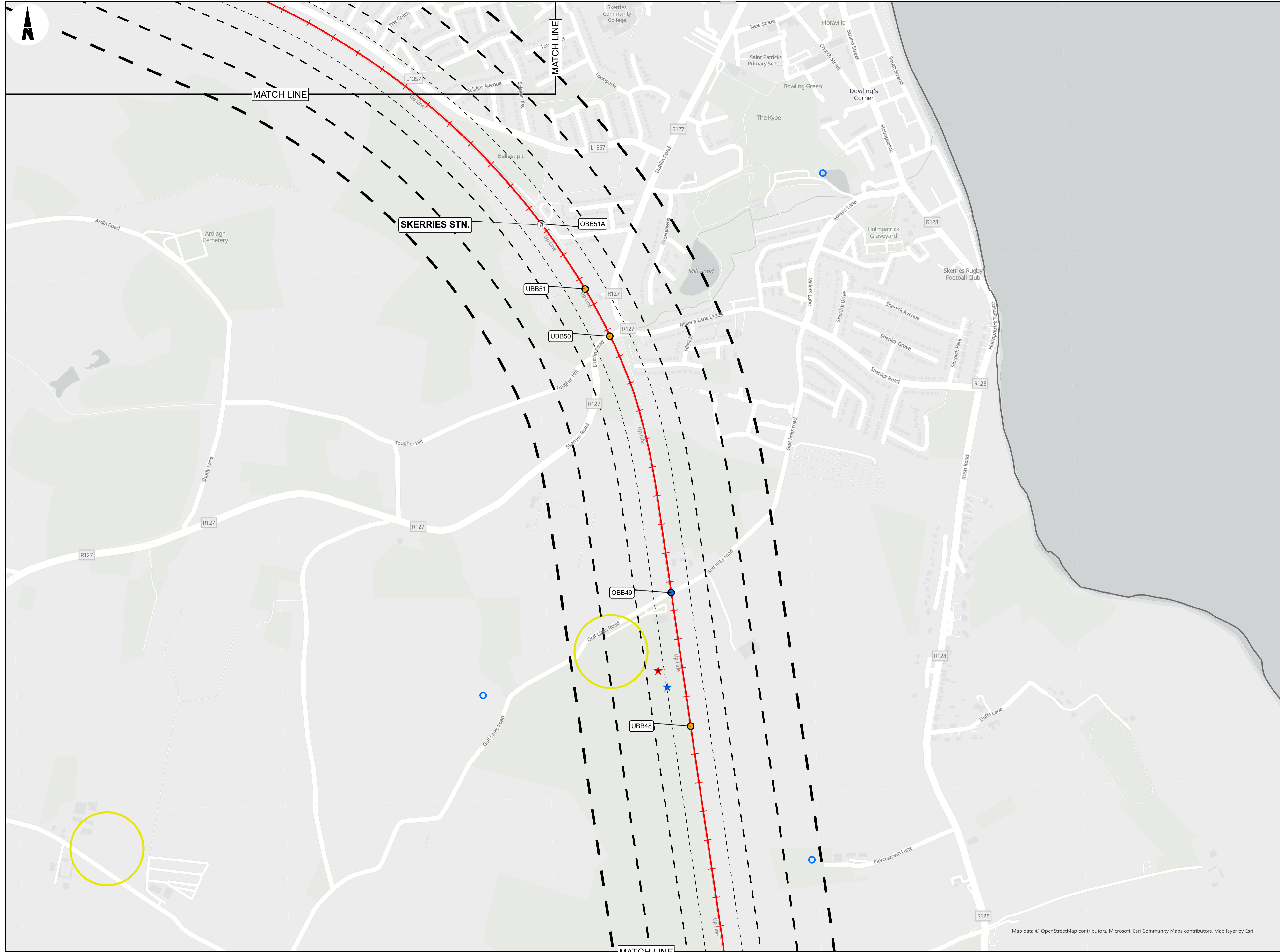
Project Code: D+WP56 | Originator Code: ARP | QMS Code: 279933-00

Drawn: DM | Checked: SH | Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000407 | Sheet Number: 7 of 19 | Status: 902 | Rev: P03



LEGEND

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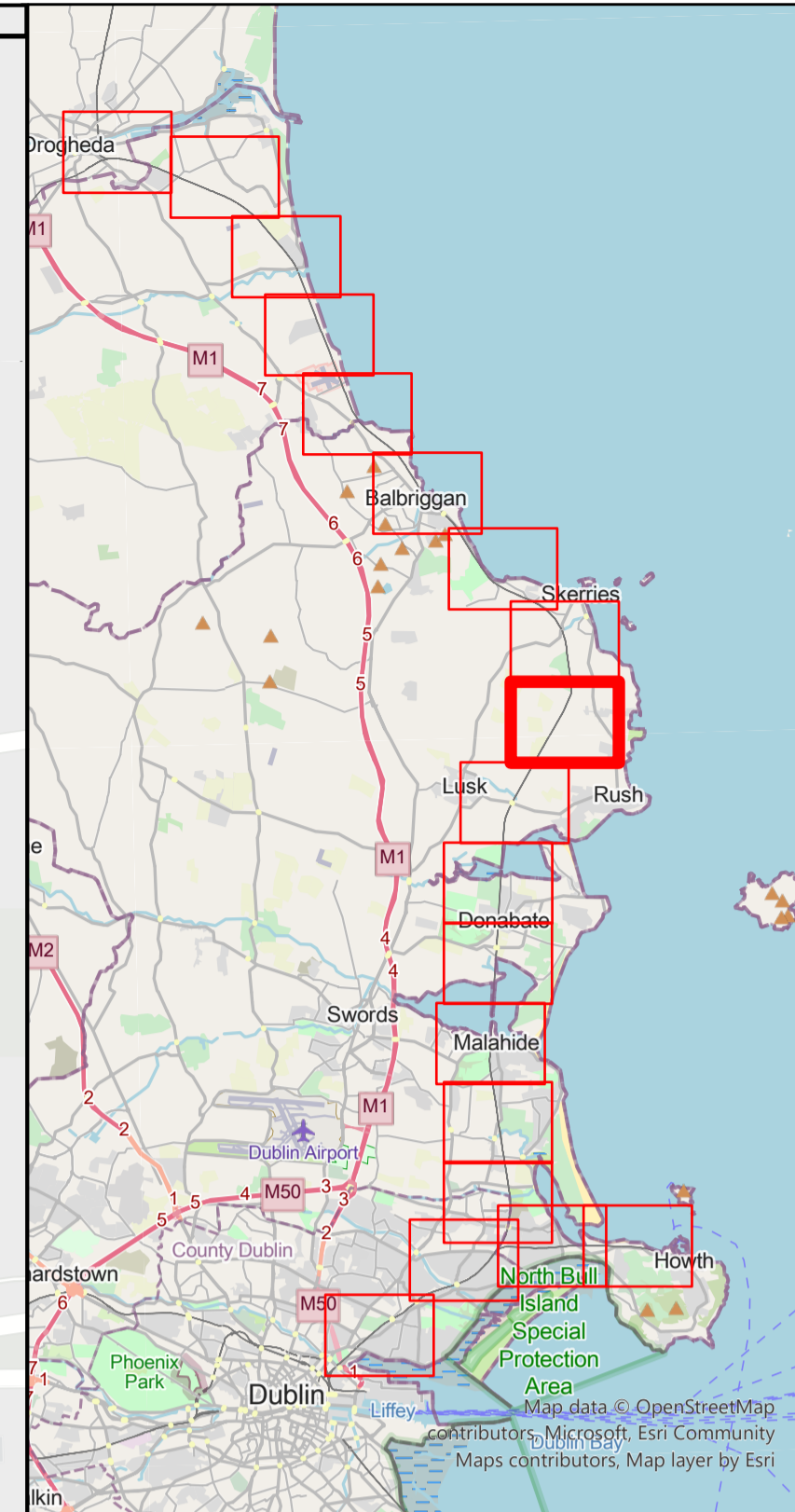
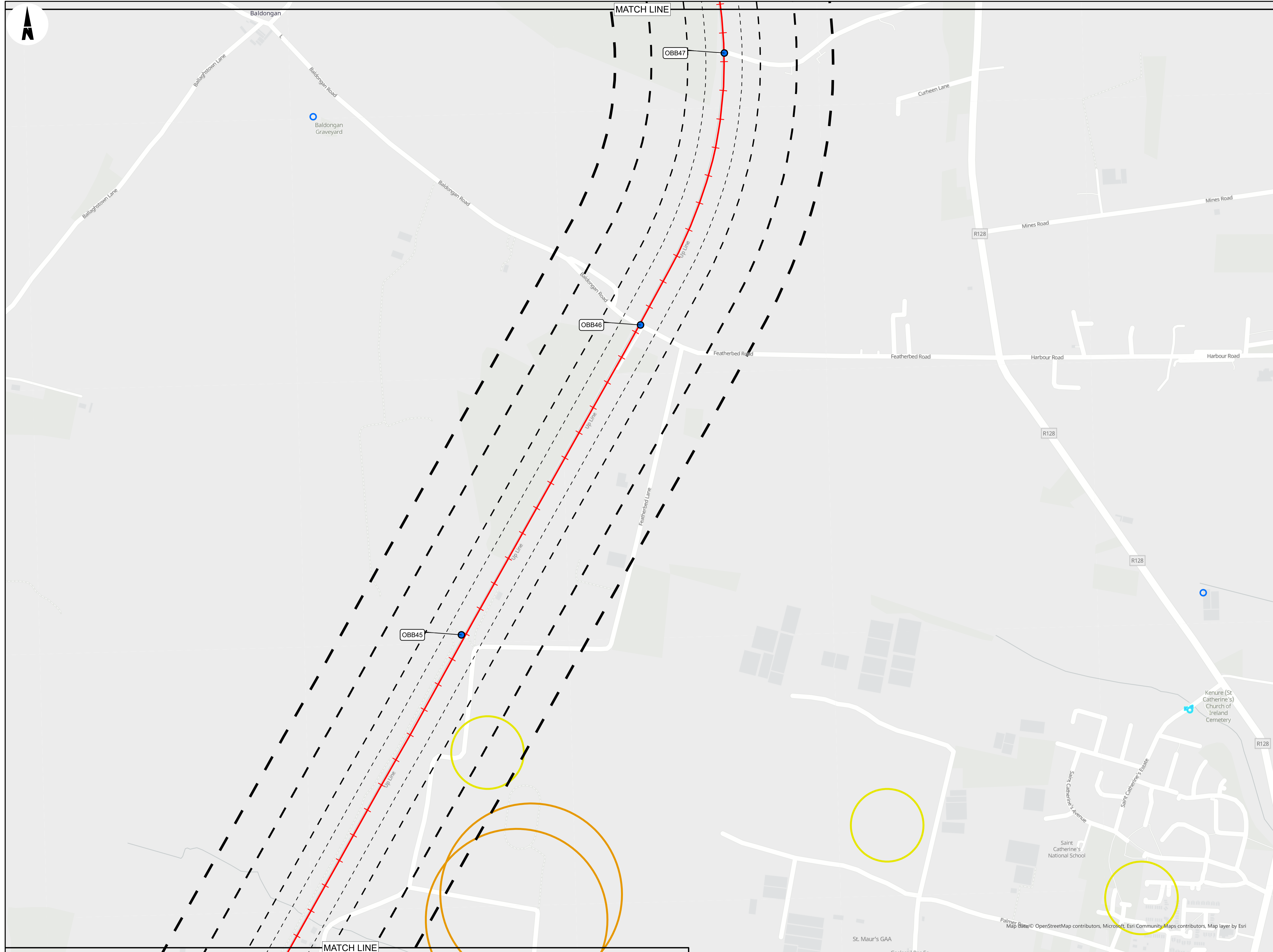
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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client	Iarnród Éireann Irish Rail		Engineering Designer	ARUP		Project Title	DART+ COASTAL NORTH		
Date	20/09/2021	Scale	1:5000 @ A1 1:10000 @ A3	Drawn	DM	Checked	SH	Approved	COD
Project Code	D+WP56	Originator Code	ARP	QMS Code	279933-00			Drawing File Name	D+WP56-ARP-ZZ-NL-OR-EV-000408
Sheet Number	8 of 19	Status	902	Rev	P03				



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - SI-INNER PROTECTION AREA
 - SI-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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DART+ Coastal North

NTA
Údair Náisiúnta Iompar
National Transport Authority

Tionscadal Éireann Project Ireland 2040

Rev	Date	Dm	Chk'd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client
Irish Rail

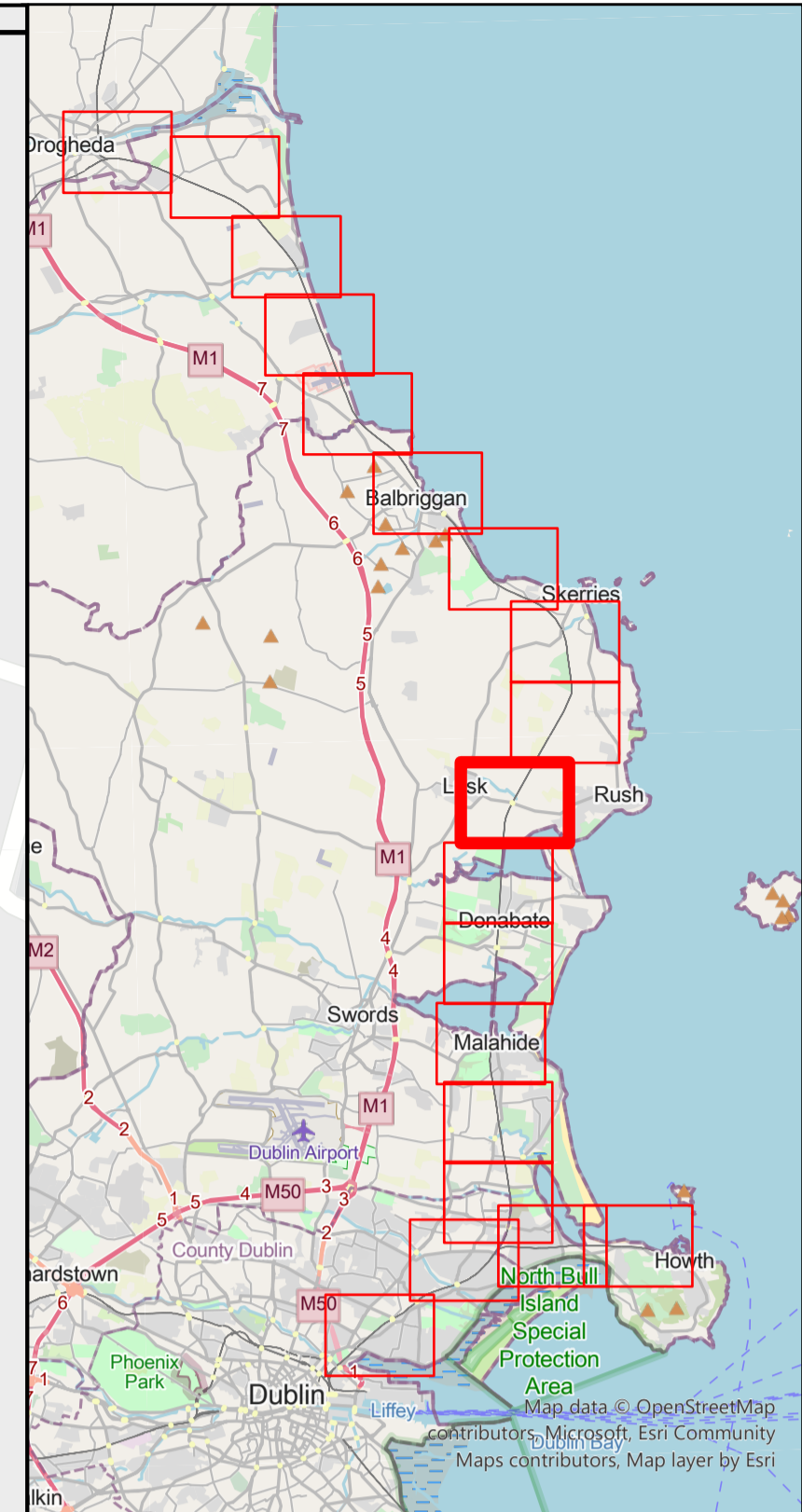
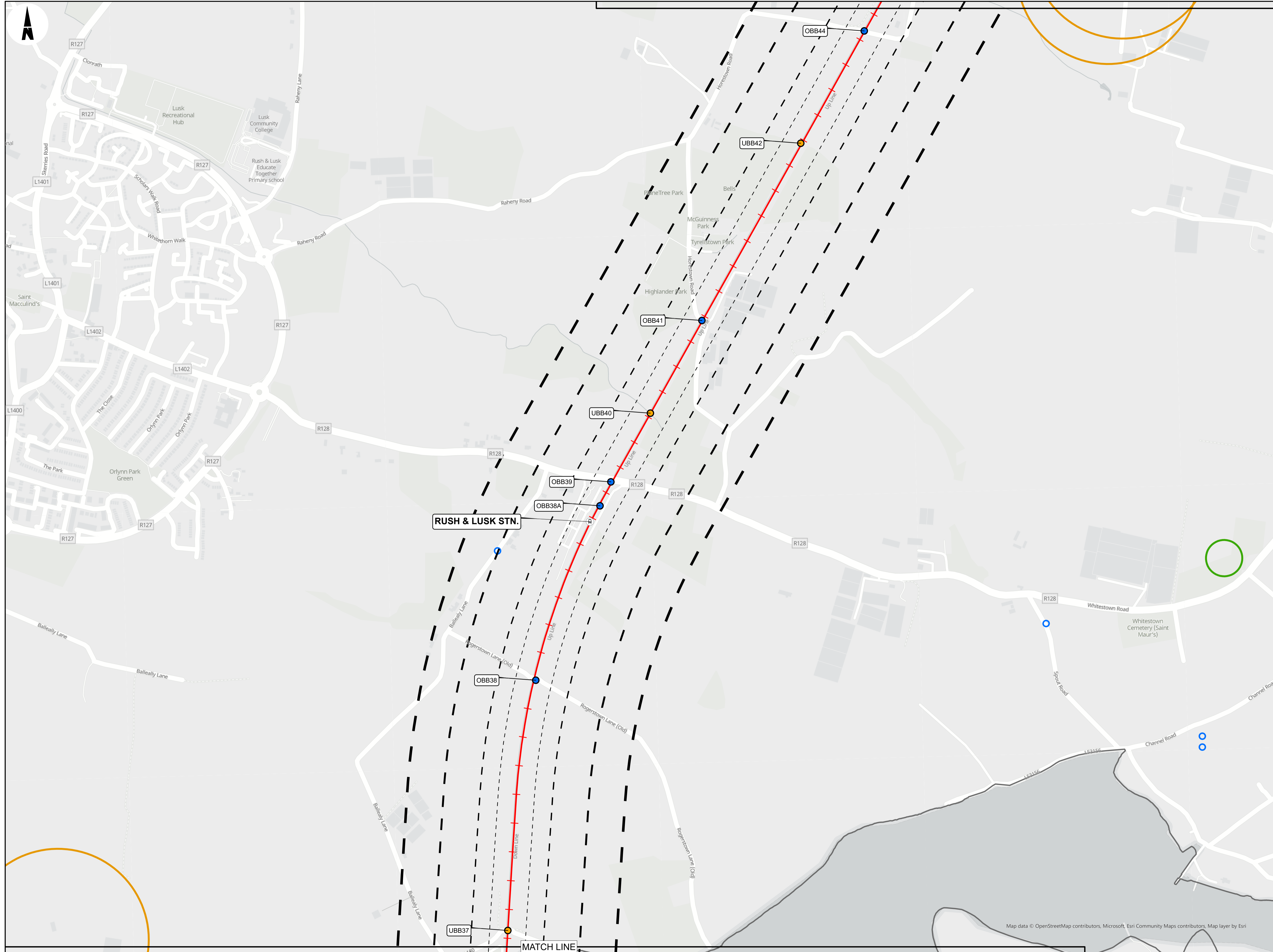
Engineering Designer
ARUP

Date: 20/09/2021 | Scale: 1:5000 @ A1 | 1:10000 @ A3

Project Code: D+WP56 | Originator Code: ARP | OMS Code: 279933-00

Project Title	Drawing Title	Drawing File Name	Sheet Number	Status	Rev
DART+ COASTAL NORTH	CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP	D+WP56-ARP-ZZ-NL-OR-EV-000409	9 of 19	902	P03

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LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
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 - SI-INNER PROTECTION AREA
 - SI-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dwn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1 | 1:10000 @ A3

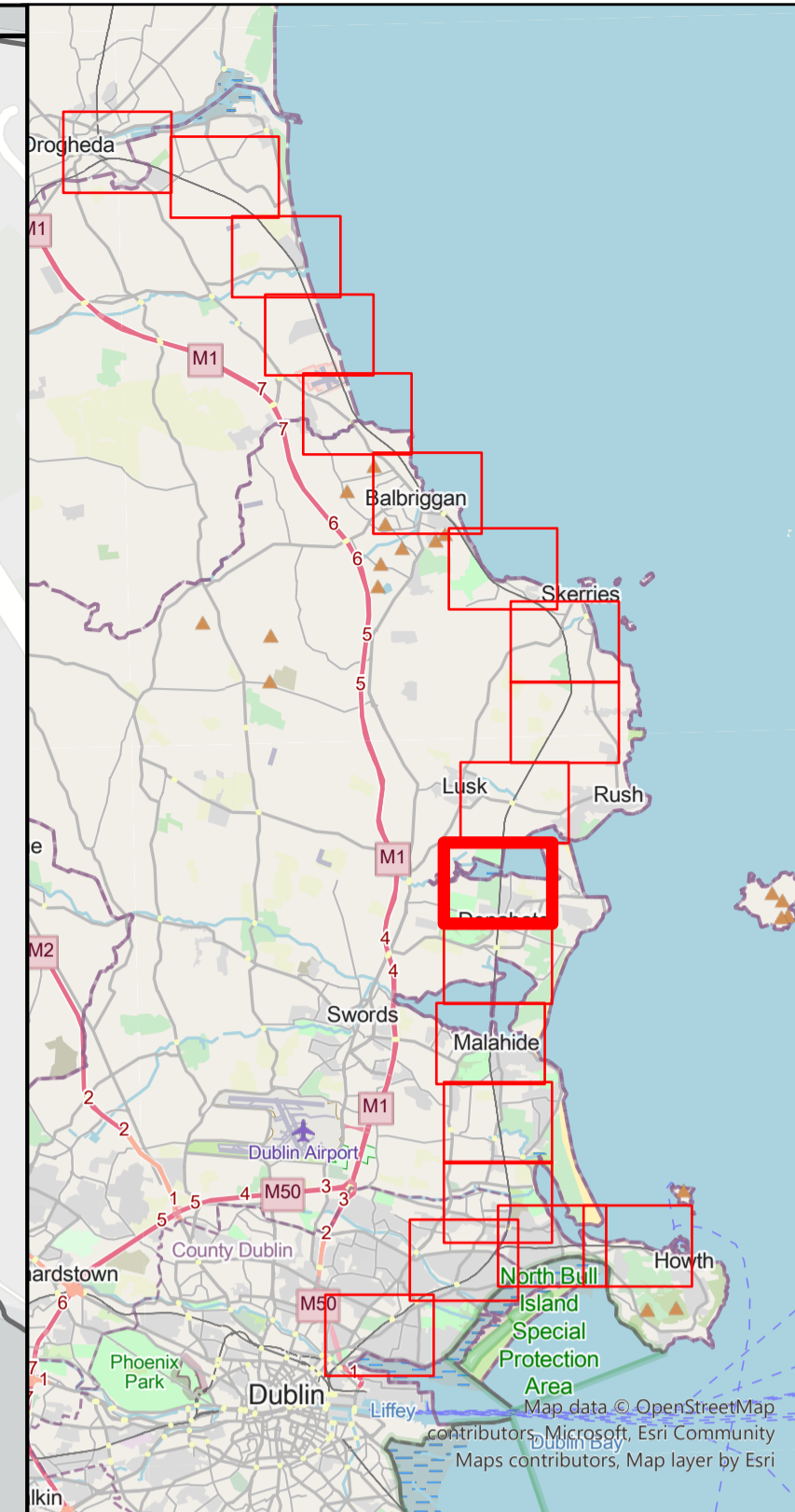
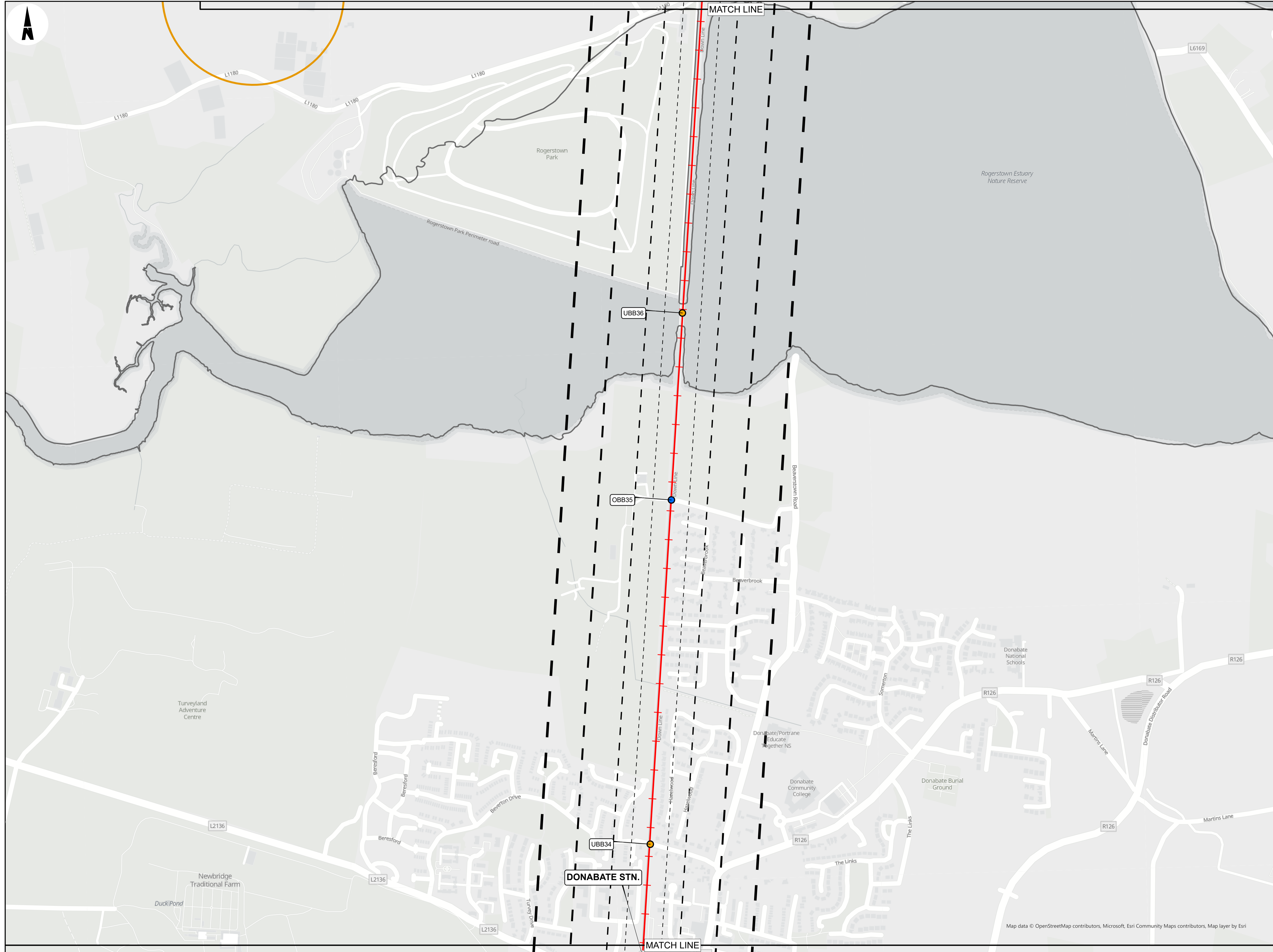
Project Code: D+WP56 | Originator Code: ARP | QMS Code: 279933-00

Drawn: DM | Checked: SH | Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000410 | Sheet Number: 10 of 19 | Status: 902 | Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - SI-INNER PROTECTION AREA
 - SI-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

Drawn: DM, Checked: SH, Approved: COD

Project Title: **DART+ COASTAL NORTH**

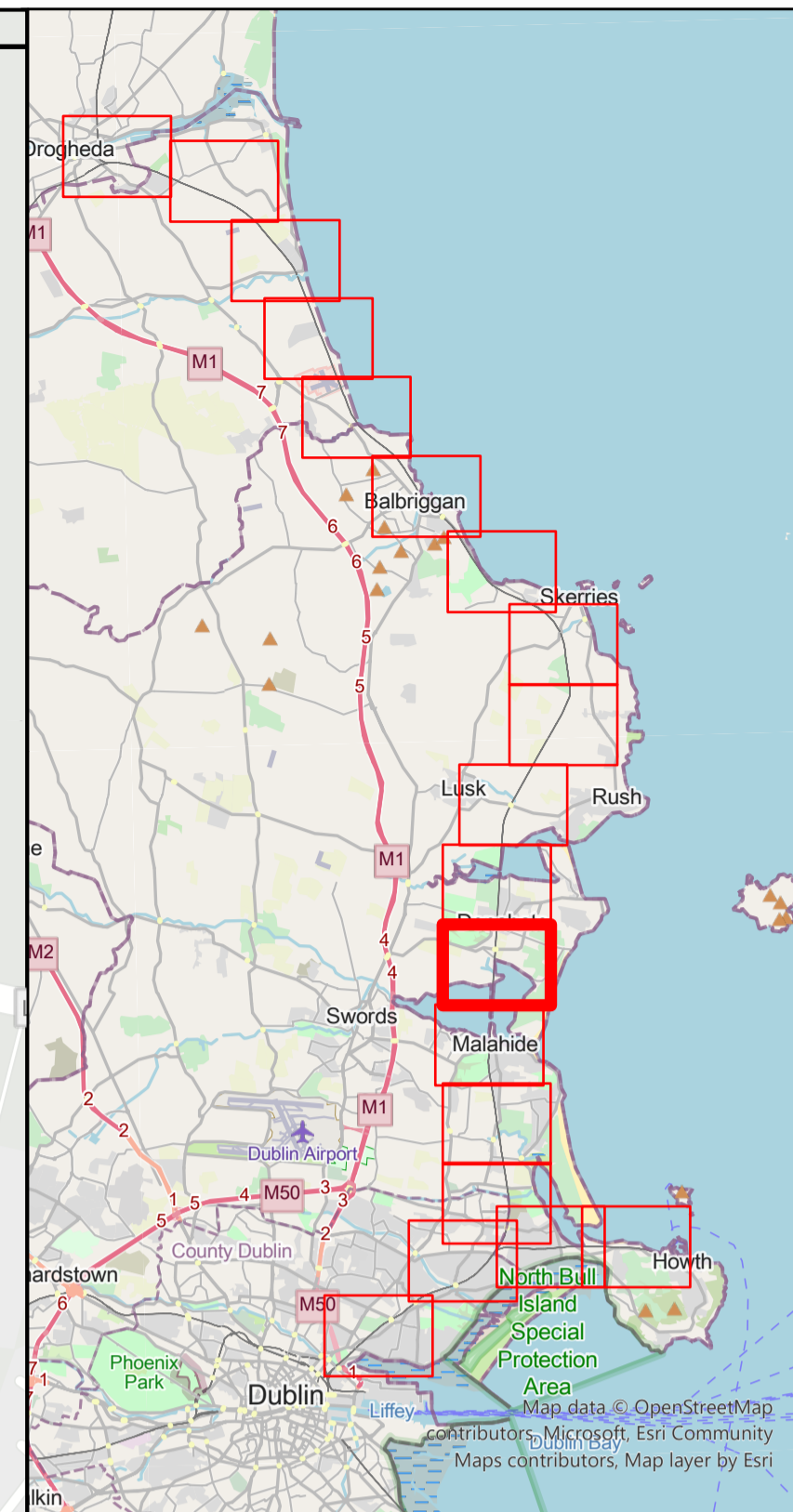
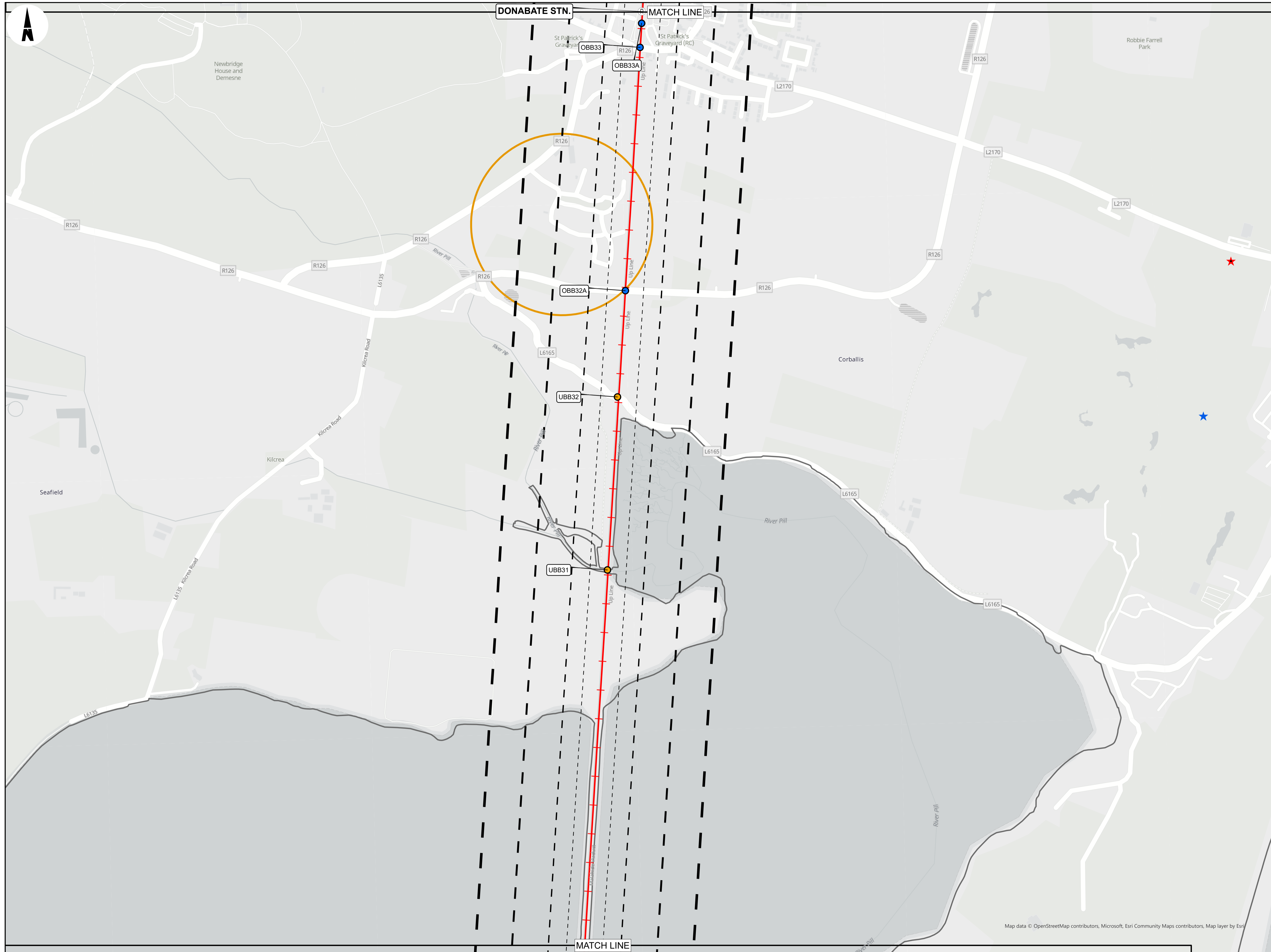
Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000411

Sheet Number: 11 of 19

Status: 902

Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES**
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS**
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS**
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS**
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS**
 - SI-INNER PROTECTION AREA
 - SO-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS**
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP**
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS**
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

Drawn: DM, Checked: SH, Approved: COD

Project Title: **DART+ COASTAL NORTH**

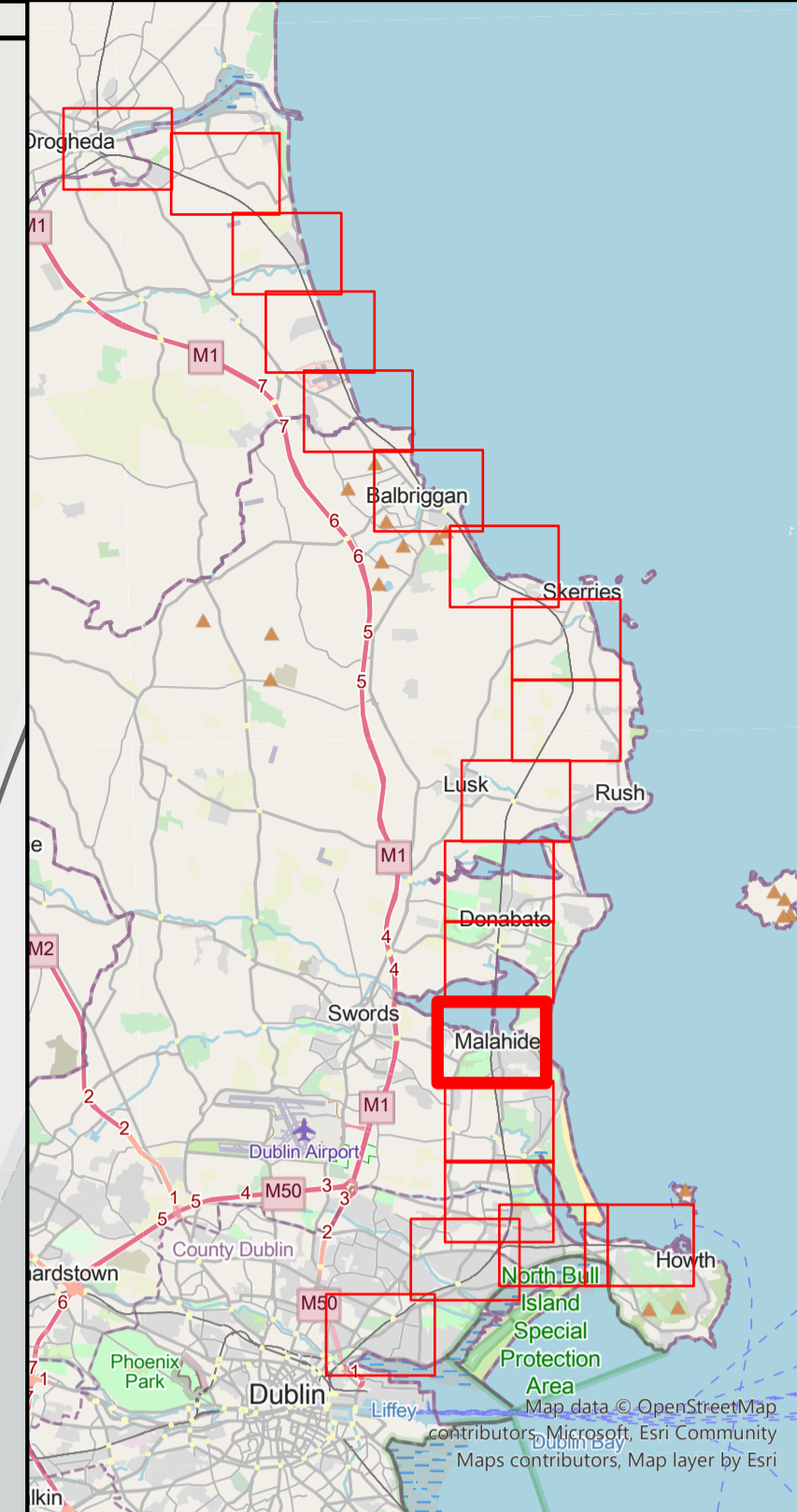
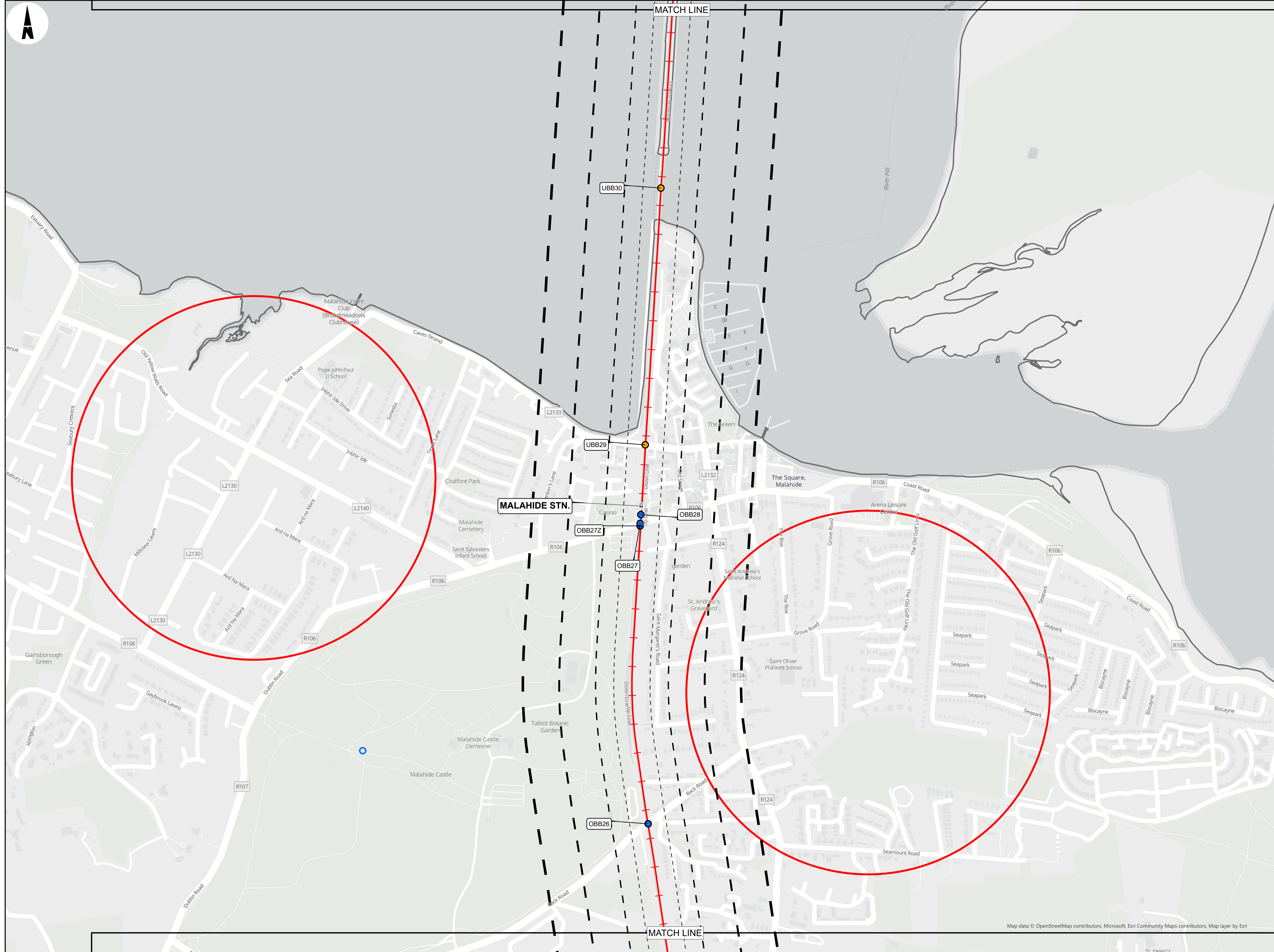
Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000412

Sheet Number: 12 of 19

Status: 902

Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - SHINNER PROTECTION AREA
 - SO OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
 - KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
 - HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dn	Ch'd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WPS6 Originator Code: ARP

Drawn: DM Checked: SH Approved: COD

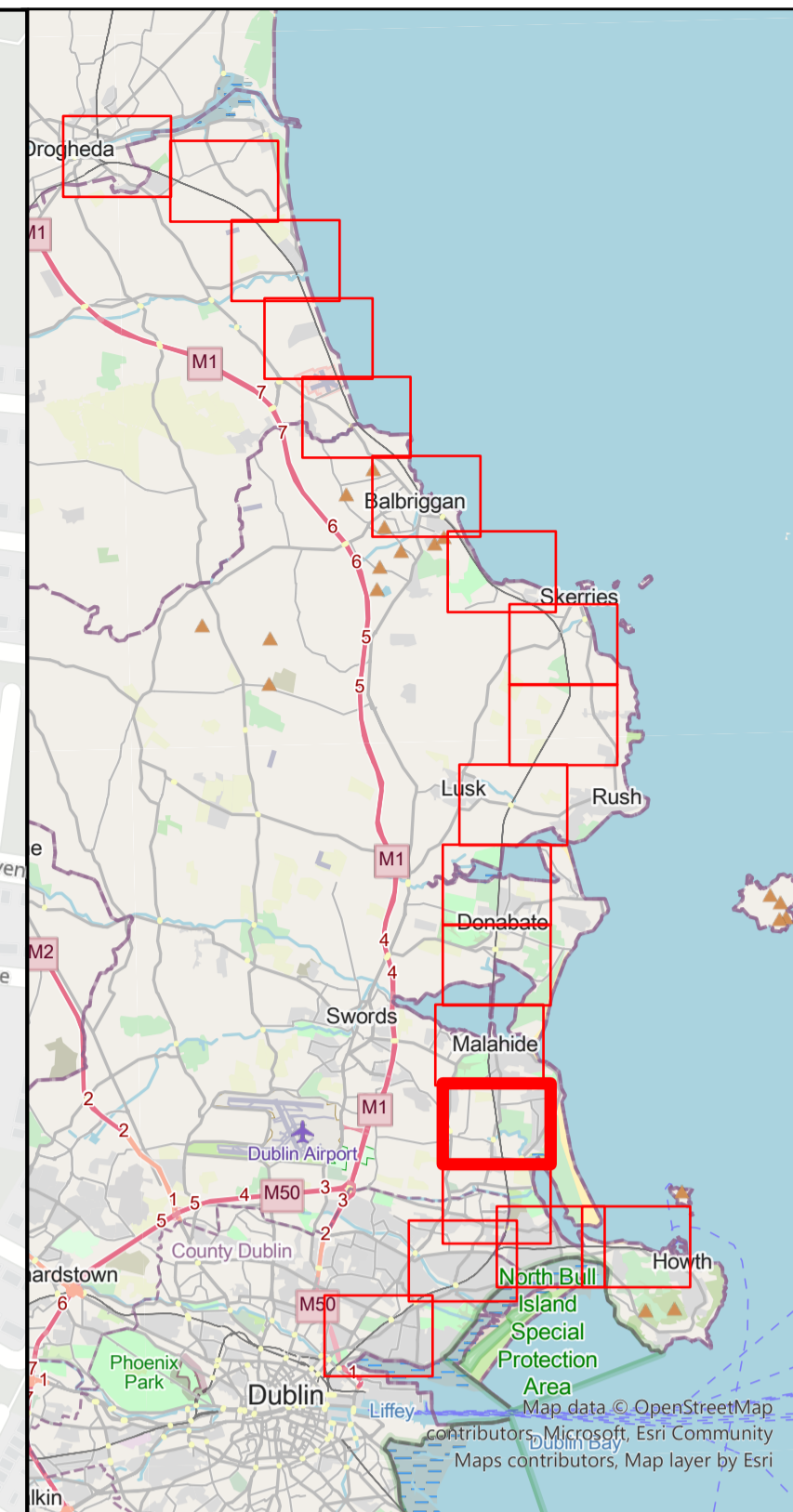
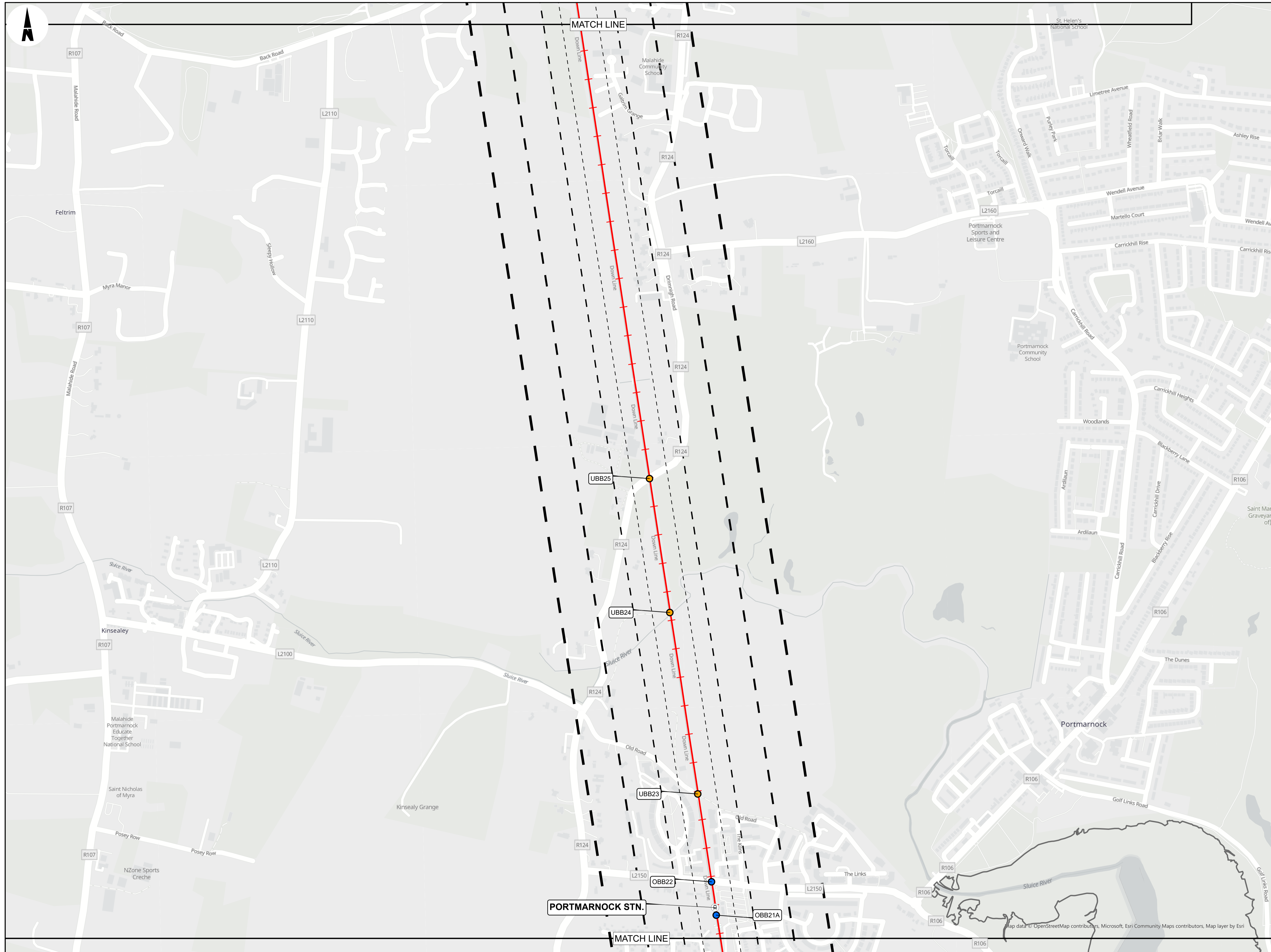
OMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WPS6-ARP-ZZ-NL-OR-EV-000413

Sheet Number: 13 of 19 Status: 902 Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
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 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
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 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
 - DISCHARGE POINTS
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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

DART+ Coastal North

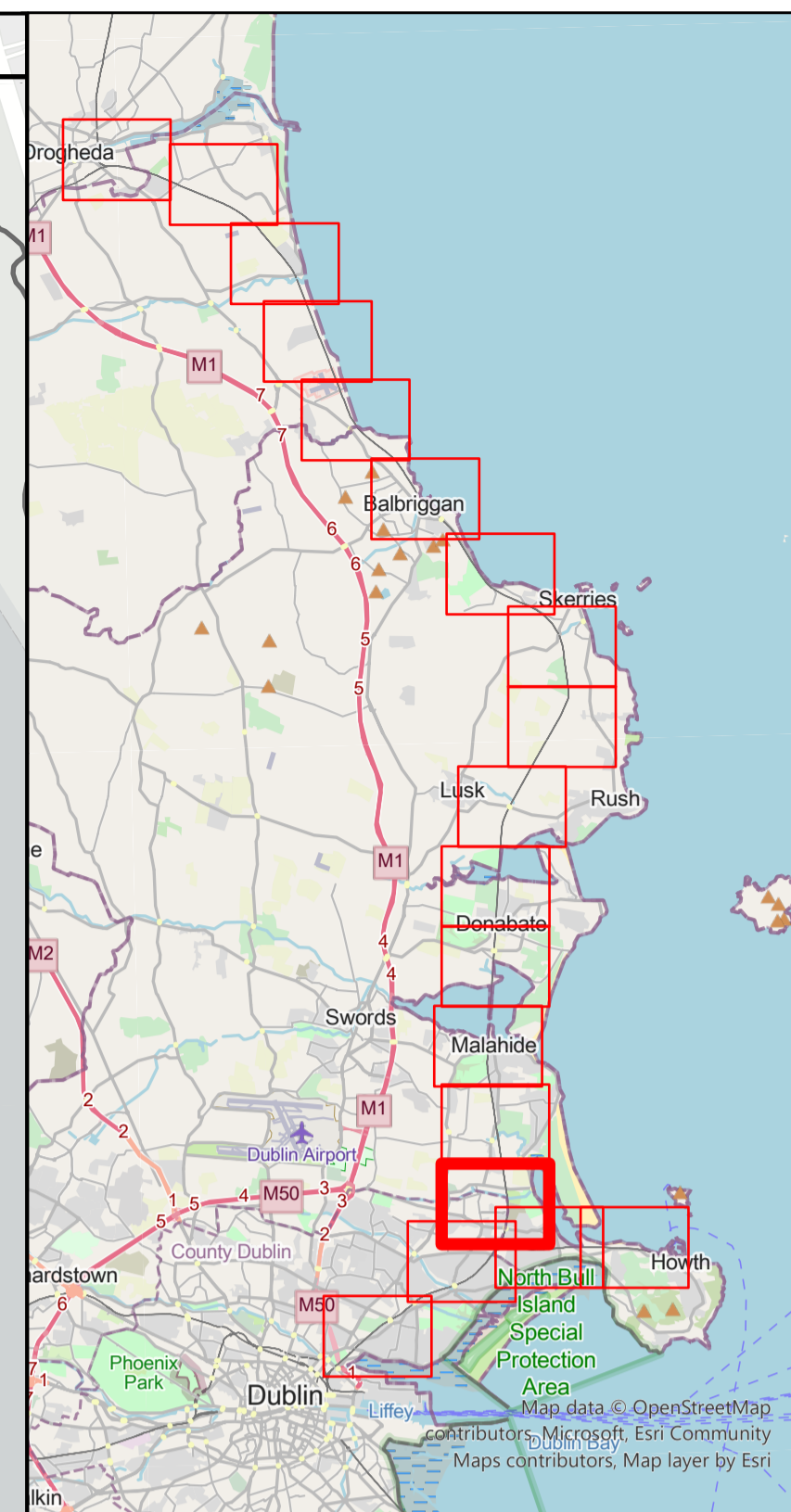
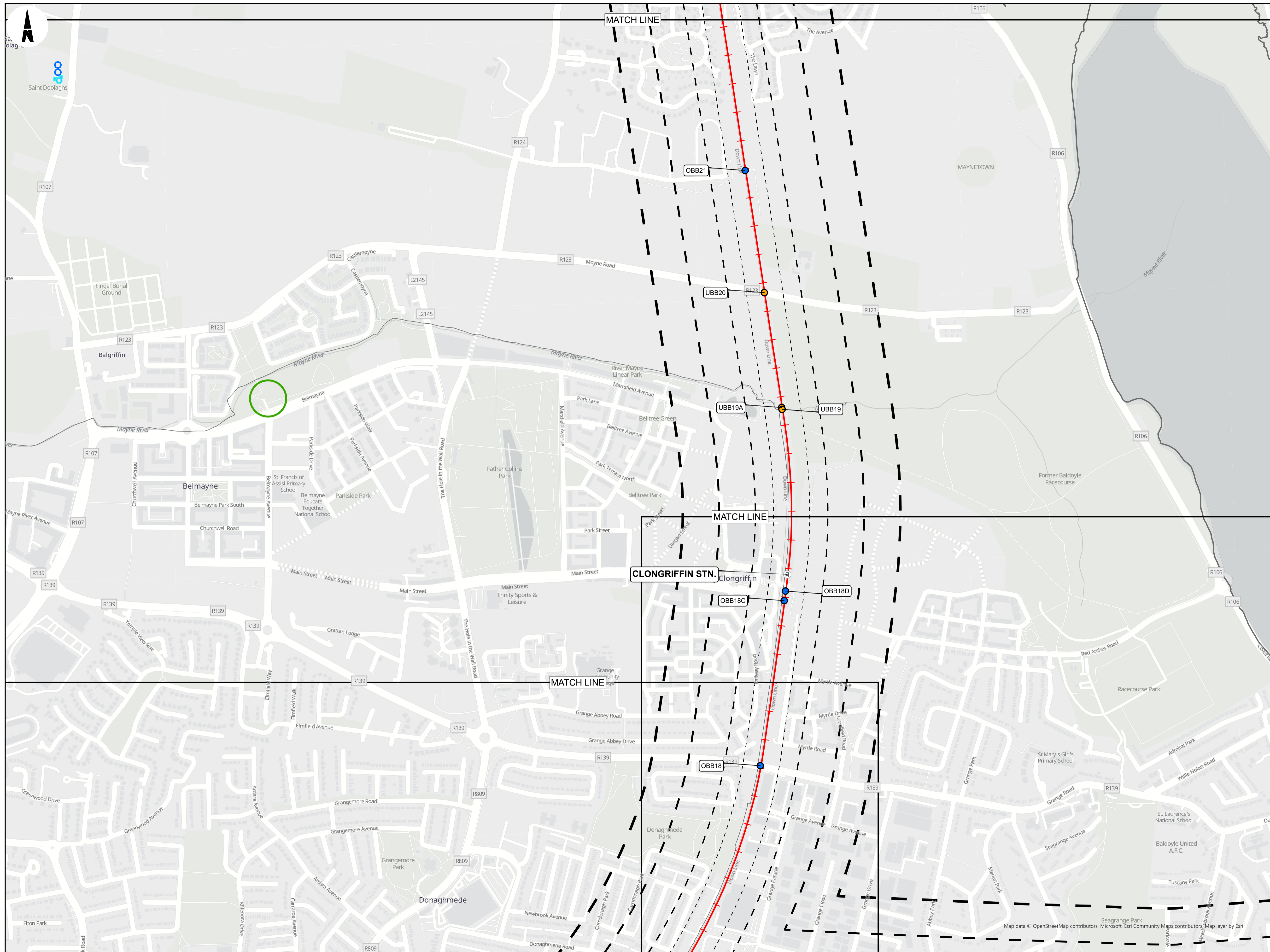
NTA
Údair Náisiúnta Iompartha
National Transport Authority

Tionscadal Éireann
Project Ireland
2040

Client		Engineering Designer		Project Title	
Iarnród Éireann Irish Rail		ARUP		DART+ COASTAL NORTH	
Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000414	

Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000414	

Project Title		Drawing Title		Drawing File Name	
DART+ COASTAL NORTH		CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP		D+WP56-ARP-ZZ-NL-OR-EV-000414	
Sheet Number	Status	Rev			
14 of 19	902	P03			



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 | Scale: 1:5000 @ A1 | 1:10000 @ A3

Project Code: D+WP56 | Originator Code: ARP

QMS Code: 279933-00

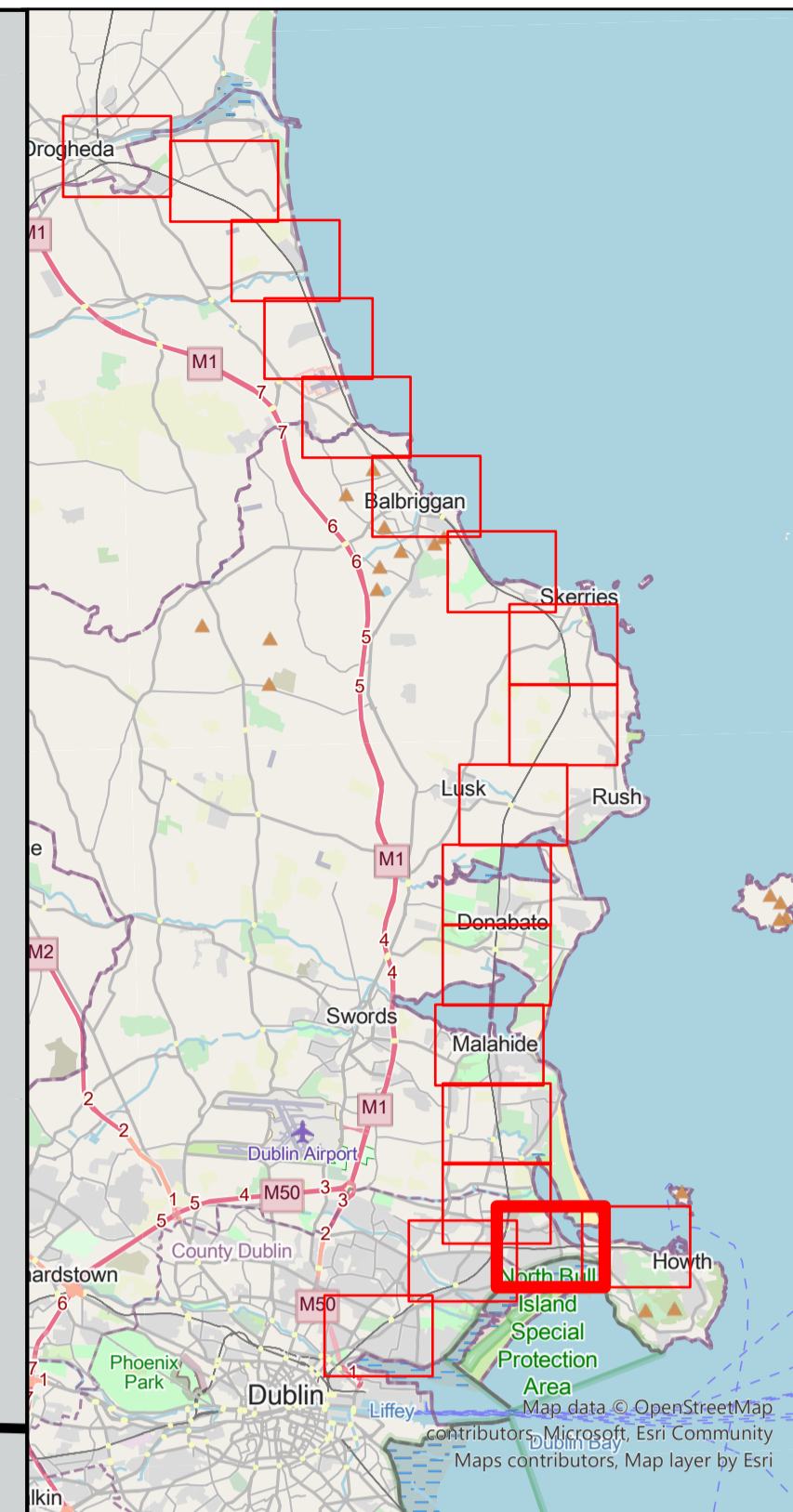
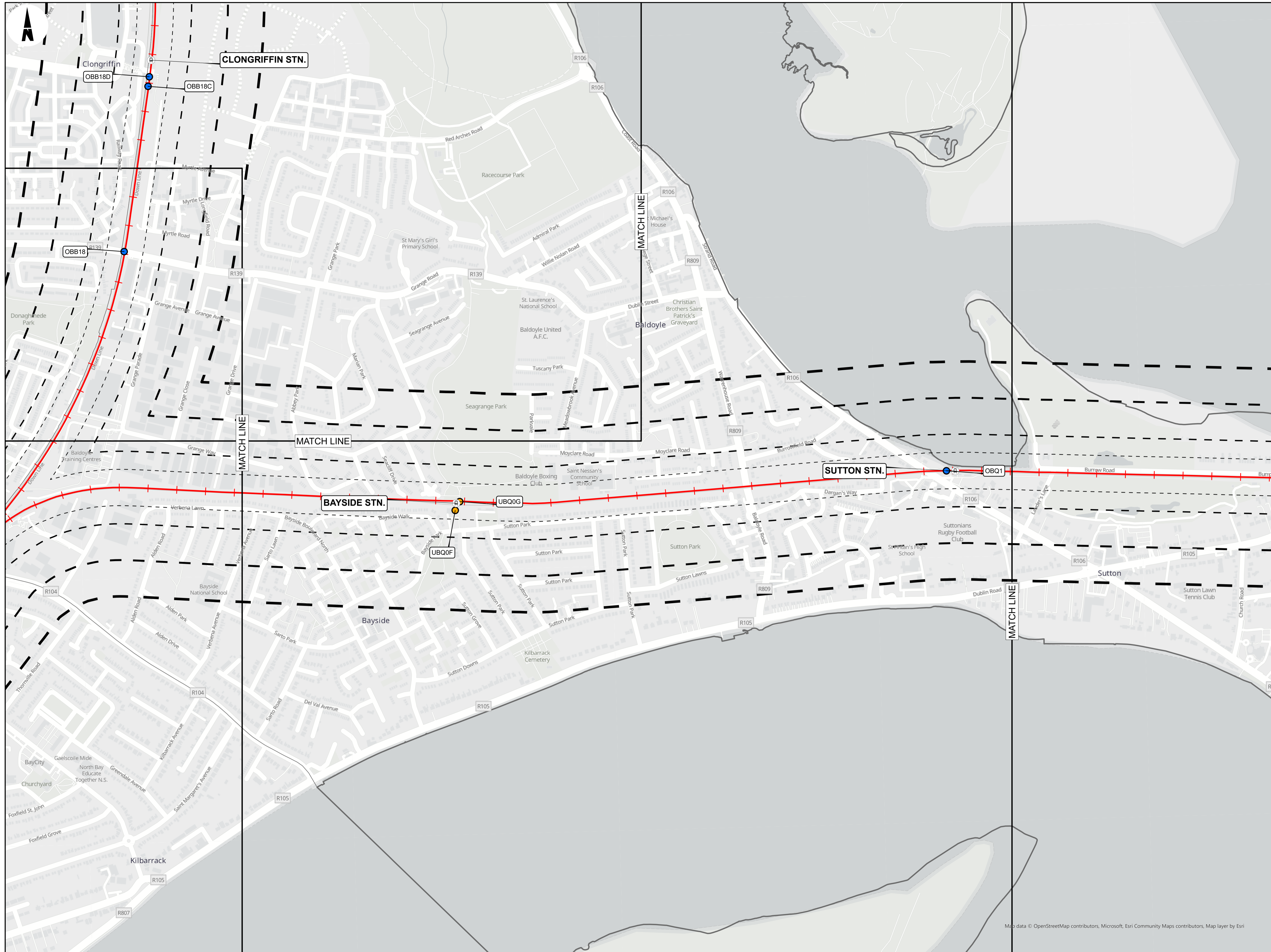
Drawn: DM | Checked: SH | Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000415

Sheet Number: 15 of 19 | Status: 902 | Rev: P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 60M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M BUFFER 100M LOCATION ACCURACY)
 - WELLS (50M BUFFER 100M LOCATION ACCURACY)
 - WELLS (100M BUFFER 200M LOCATION ACCURACY)
 - WELLS (250M BUFFER 500M LOCATION ACCURACY)
 - WELLS (500M BUFFER 1KM LOCATION ACCURACY)
- GROUP SCHEME AND PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - PUBLIC SUPPLY SOURCE PROTECTION AREAS
 - SI-INNER PROTECTION AREA
 - SO-OUTER PROTECTION AREA
 - GROUP SCHEME PRELIMINARY SOURCE PROTECTION AREAS
- KARST LANDFORMS
 - UNKNOWN
 - BOREHOLE
 - CAVE
 - DRY VALLEY
 - ENCLOSED DEPRESSION
 - SPRING
 - SUPERFICIAL SOLUTION FEATURES
 - SWALLOW HOLE
 - TURLOUGH
- HISTORIC GROUNDWATER FLOOD MAP
 - FLOOD TYPE
 - GROUNDWATER
 - GROUNDWATER/SURFACE WATER
 - WFD ARTICLE 5: SECTION 4 DISCHARGE POINT
- DISCHARGE POINTS
 - SECTION 4 DISCHARGE POINT

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Rev	Date	Dn	Ch'd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WPS6 Originator Code: ARP

QMS Code: 279933-00

Drawn: DM Checked: SH Approved: COD

Project Title: **DART+ COASTAL NORTH**

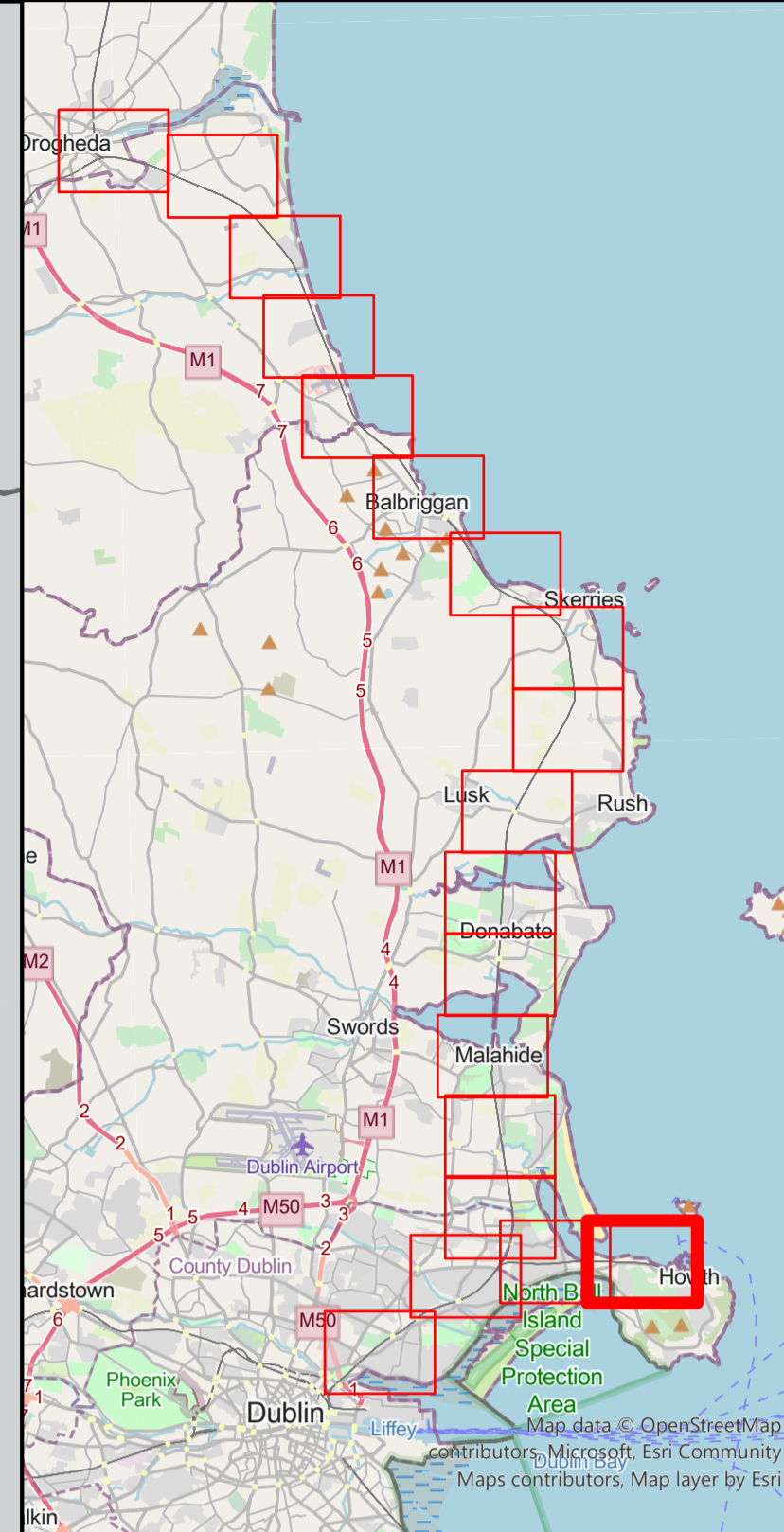
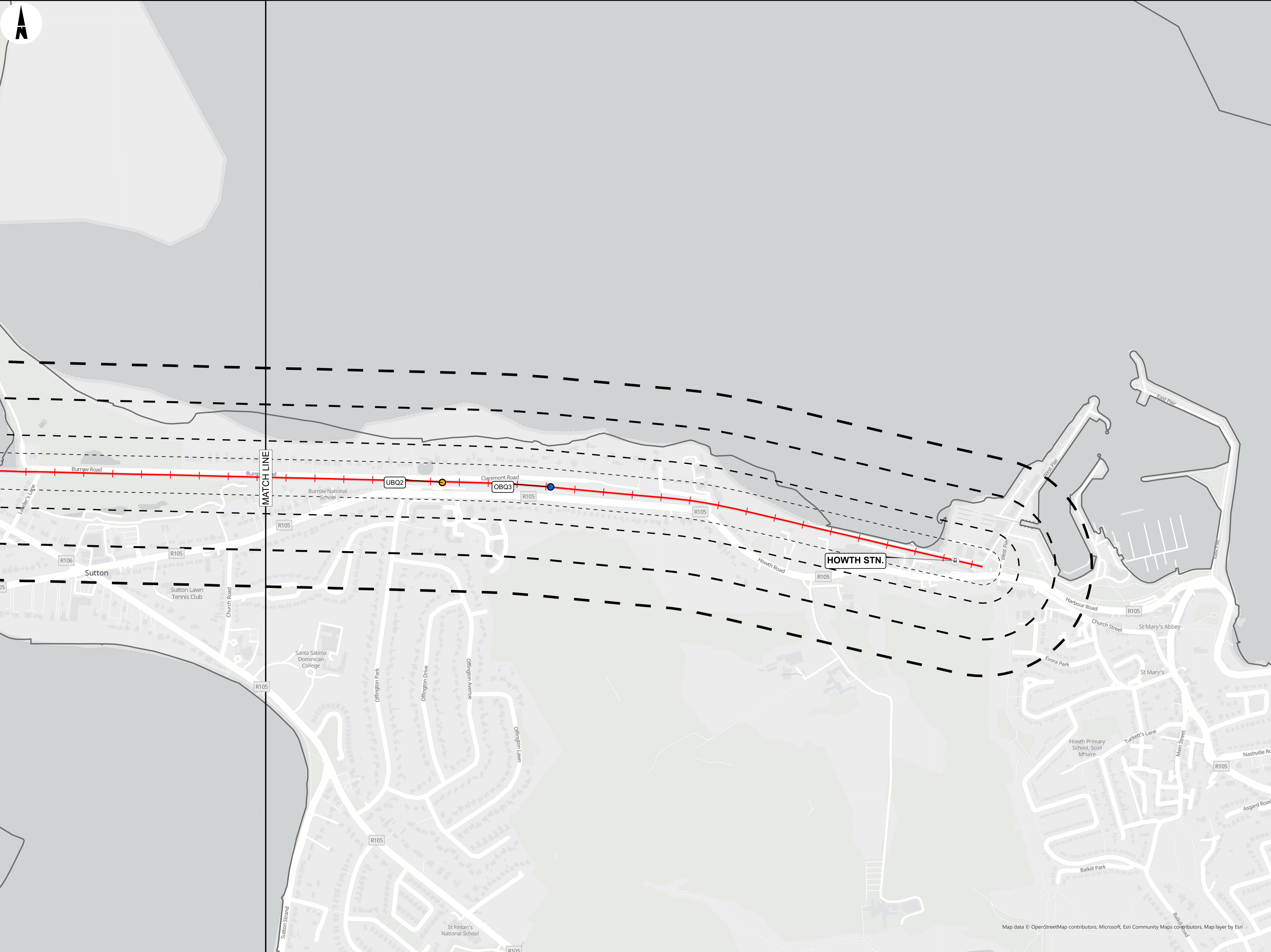
Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WPS6-ARP-ZZ-NL-OR-EV-000416

Sheet Number: 16 of 19

Status: 902

Rev: P03



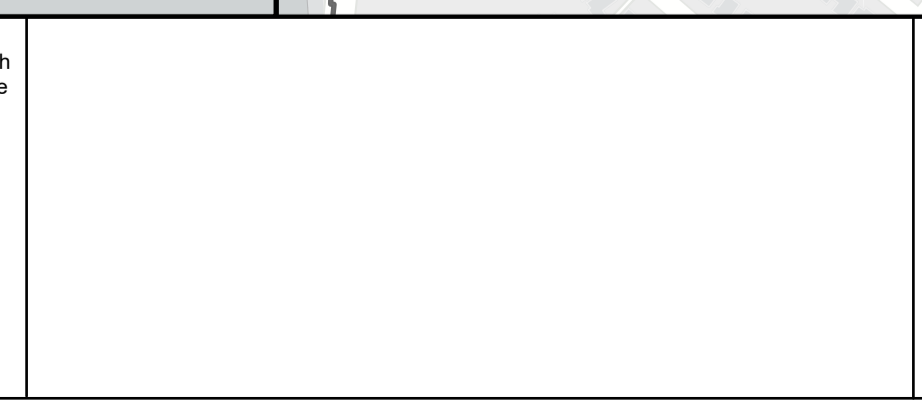
LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
- ADMINISTRATIVE BOUNDARY
- COUNTY BOUNDARY
- WELLS & SPRINGS
 - WELLS (10M LOCATION ACCURACY)
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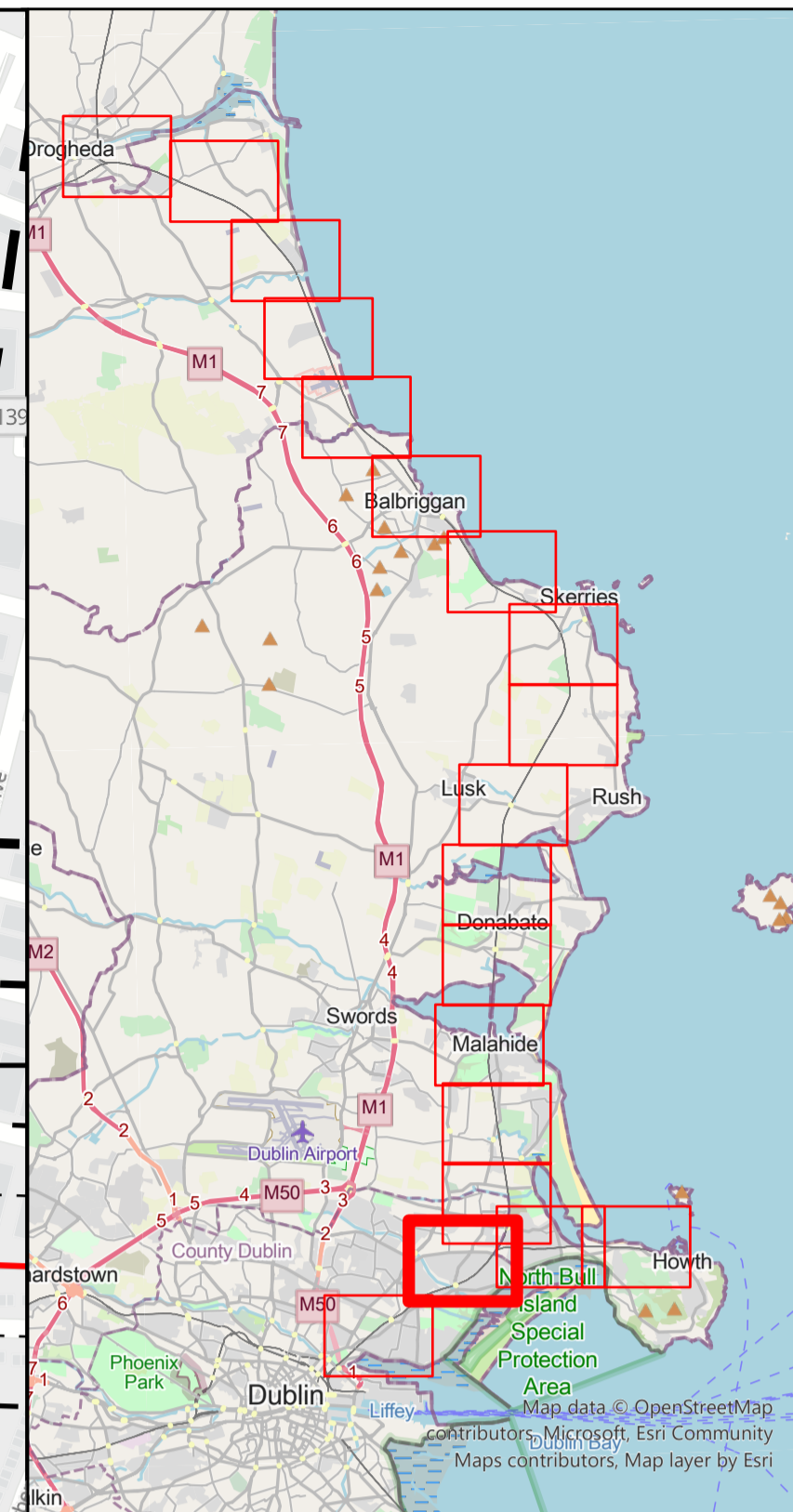
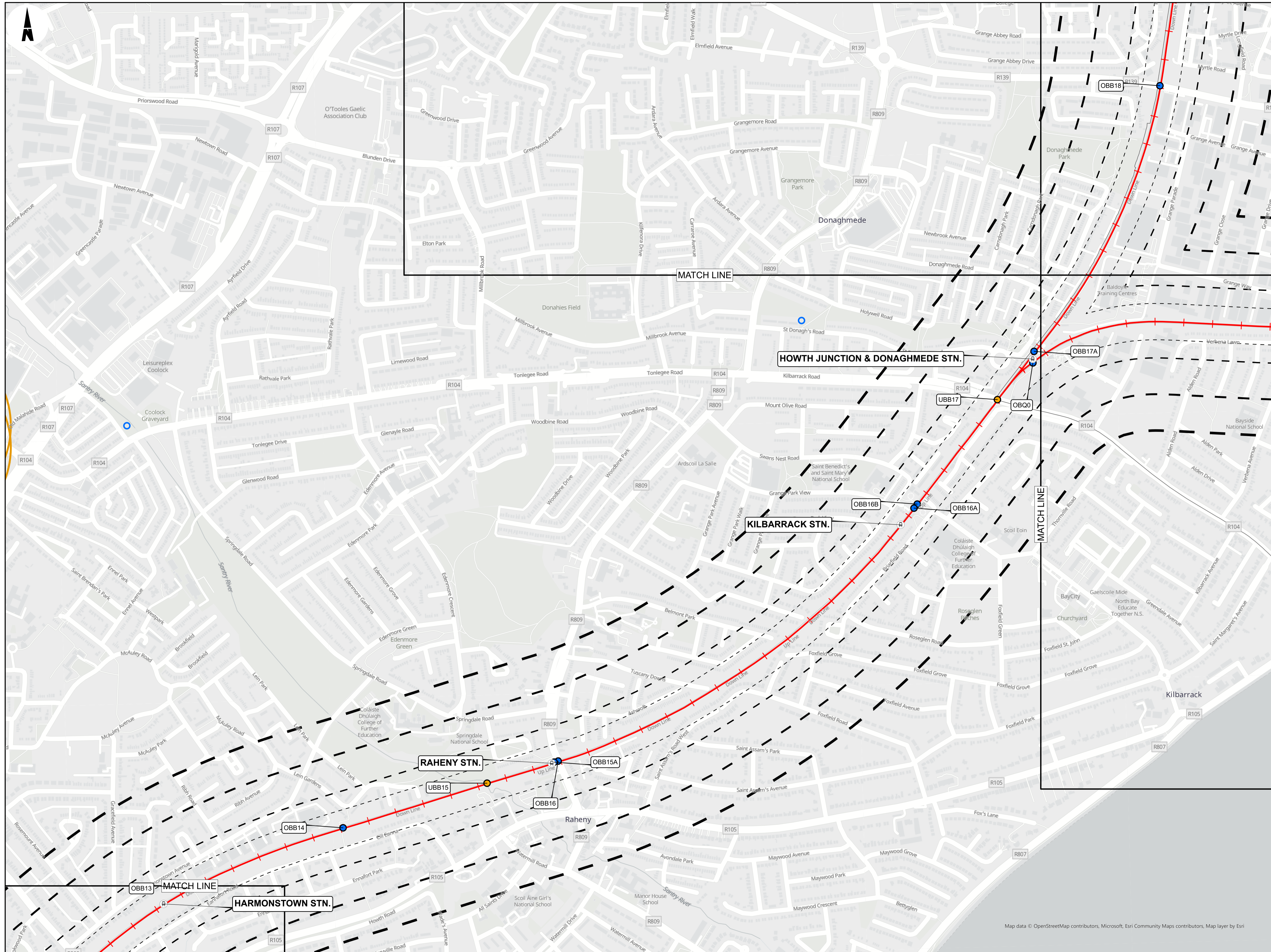


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P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client		Engineering Designer		Project Title	
Iarnród Éireann Irish Rail		ARUP		DART+ COASTAL NORTH	
Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000417	

Date	Scale	Drawn	Checked	Approved	
20/09/2021	1:5000 @ A1 1:10000 @ A3	DM	SH	COD	
Project Code	Originator Code	QMS Code		Drawing File Name	
D+WP56	ARP	279933-00		D+WP56-ARP-ZZ-NL-OR-EV-000417	

Sheet Number	Status	Rev
17 of 19	902	P03



LEGEND

- RAILWAY STATIONS
- BRIDGES
 - OVERBRIDGE
 - UNDERBRIDGE
- RAILWAY LINE
- BUFFERS
 - 50M
 - 100M
 - 200M
 - 300M
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- COUNTY BOUNDARY
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Rev	Date	Dn	Chkd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

DART+ Coastal North

NTA
Náisiúnta Aonúis
National Transport Authority

Tionscadal Éireann
Project Ireland
2040

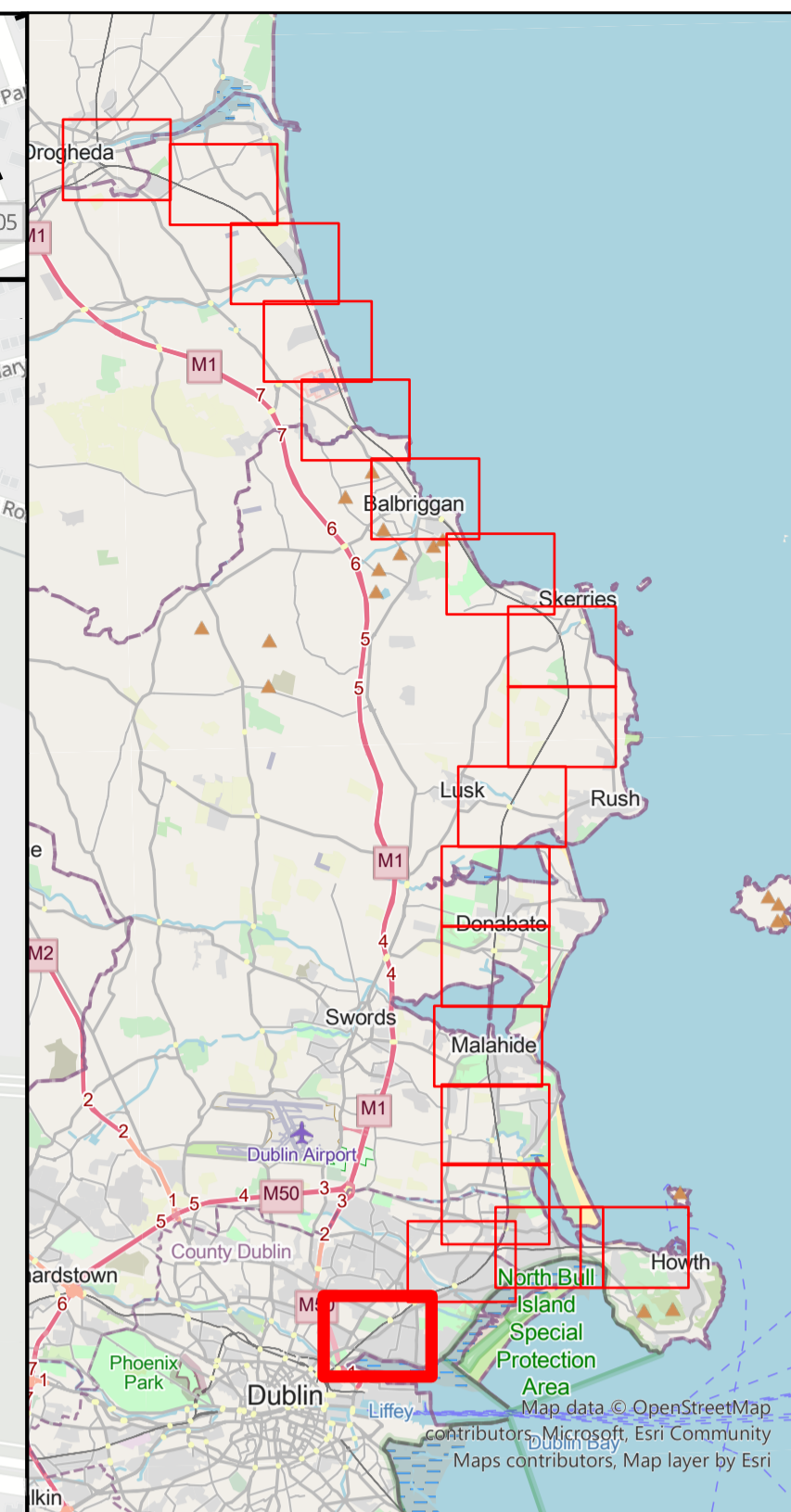
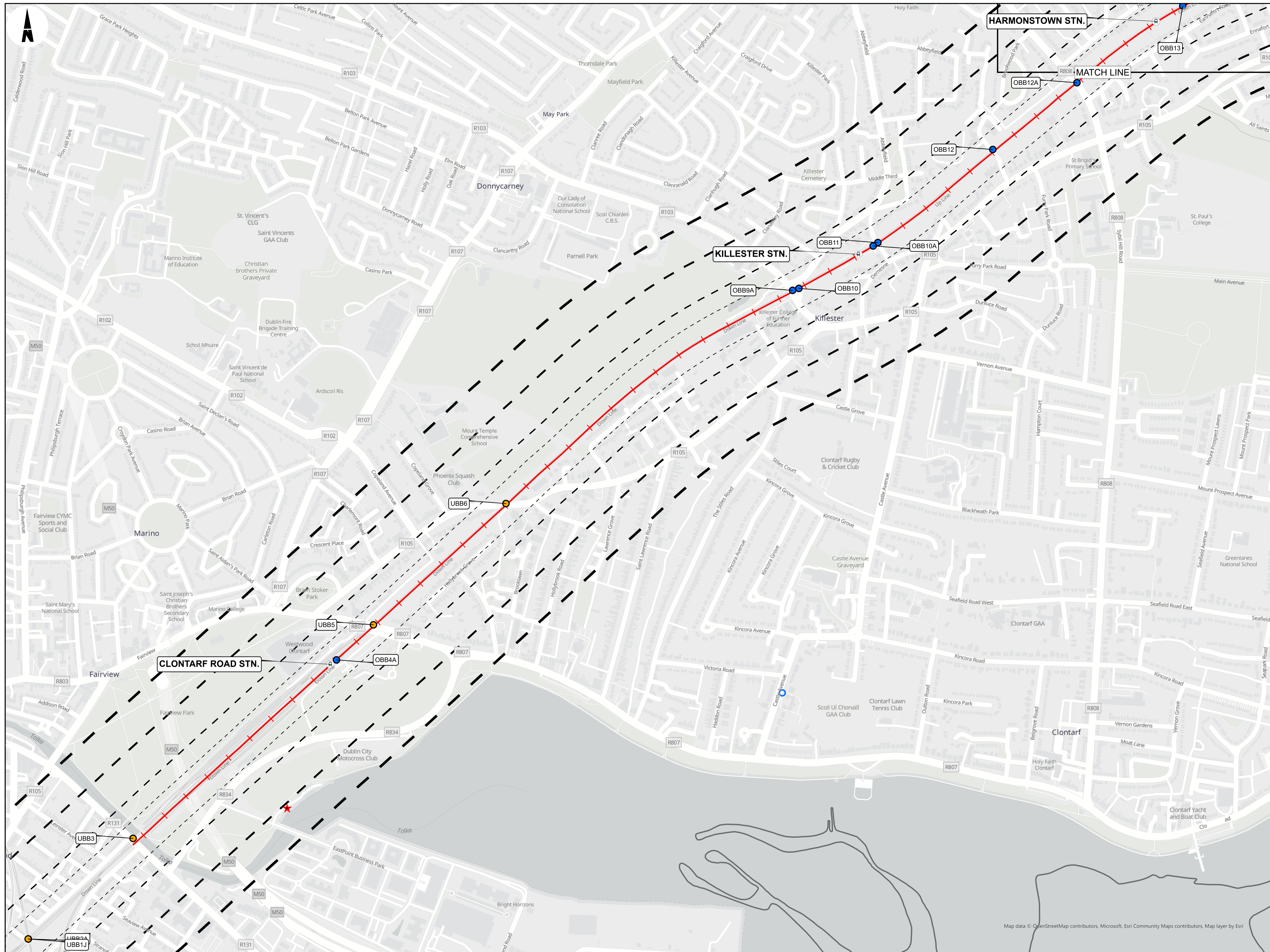
Client		Engineering Designer		Project Title	
Iarnród Éireann Irish Rail		ARUP		DART+ COASTAL NORTH	
Date	20/09/2021	Scale	1:5000 @ A1 1:10000 @ A3	Drawn	DM
Project Code	D-WP56	Originator Code	ARP	Checked	SH
				Approved	COD
				OMS Code	279933-00
				Drawing File Name	D-WP56-ARP-ZZ-NL-OR-EV-000418
				Sheet Number	18 of 19
				Status	902
				Rev	P03

ARUP

Drawn: DM, Checked: SH, Approved: COD

OMS Code: 279933-00

Project Title		DART+ COASTAL NORTH	
Drawing Title		CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP	
Drawing File Name	D-WP56-ARP-ZZ-NL-OR-EV-000418	Sheet Number	18 of 19
Status	902	Rev	P03



LEGEND

- RAILWAY STATIONS**
 - RAILWAY STATION
- BRIDGES**
 - OVERBRIDGE
 - UNDERBRIDGE
 - RAILWAY LINE
- BUFFERS**
 - 50M
 - 100M
 - 200M
 - 300M
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Rev	Date	Dn	Ch'd	App'd	Description
P01	30/09/2021	DM	SH	COD	
P02	11/10/2021	DM	SH	COD	
P03	10/12/2021	DM	SH	COD	

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 20/09/2021 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Drawn: DM Checked: SH Approved: COD

QMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **CONSTRAINTS REPORT GROUNDWATER CONSTRAINTS OPEN STREET MAP BASEMAP**

Drawing File Name: D+WP56-ARP-ZZ-NL-OR-EV-000419

Sheet Number: 19 of 19 Status: 902 Rev: P03