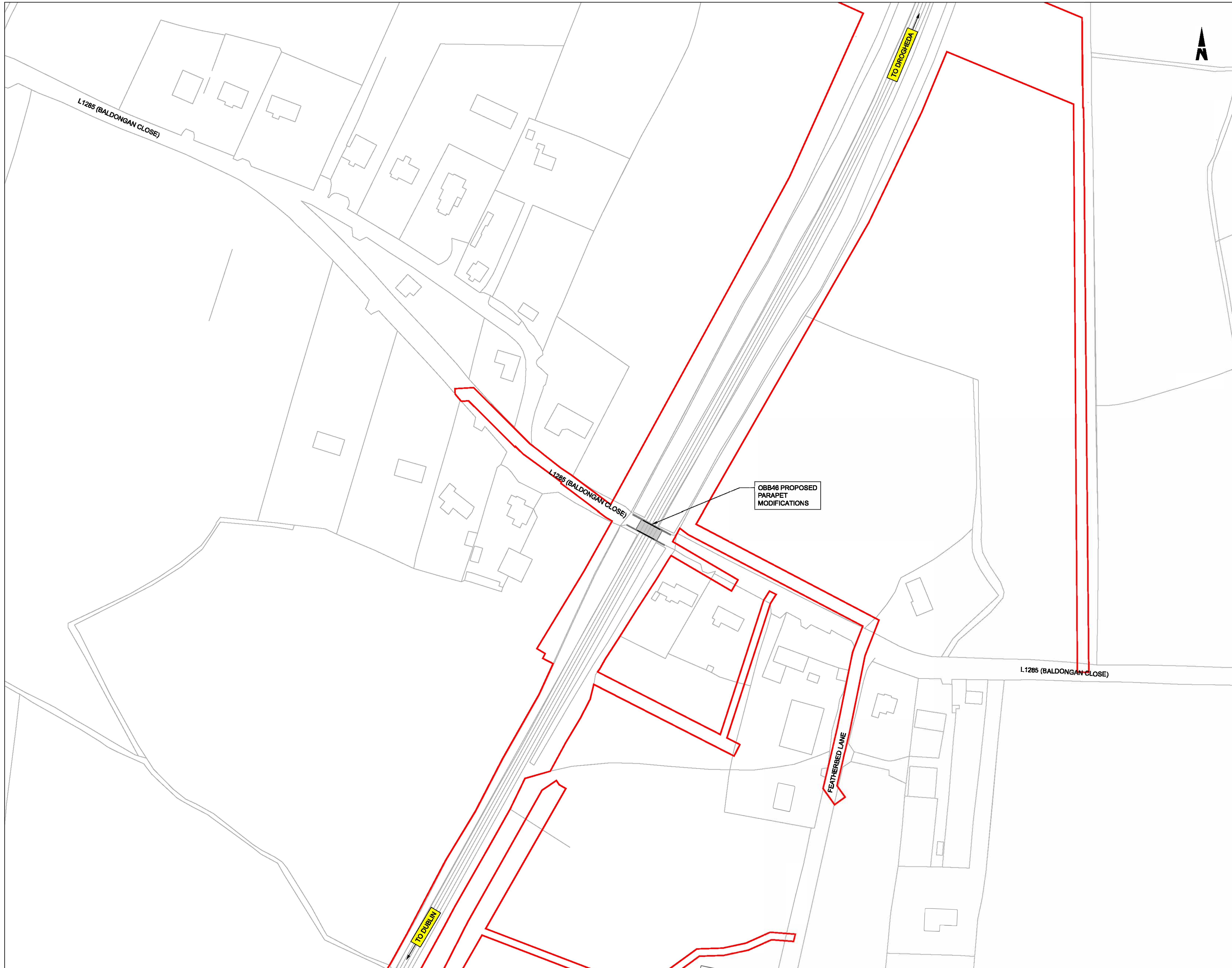

SPECIFIC LOCATIONS

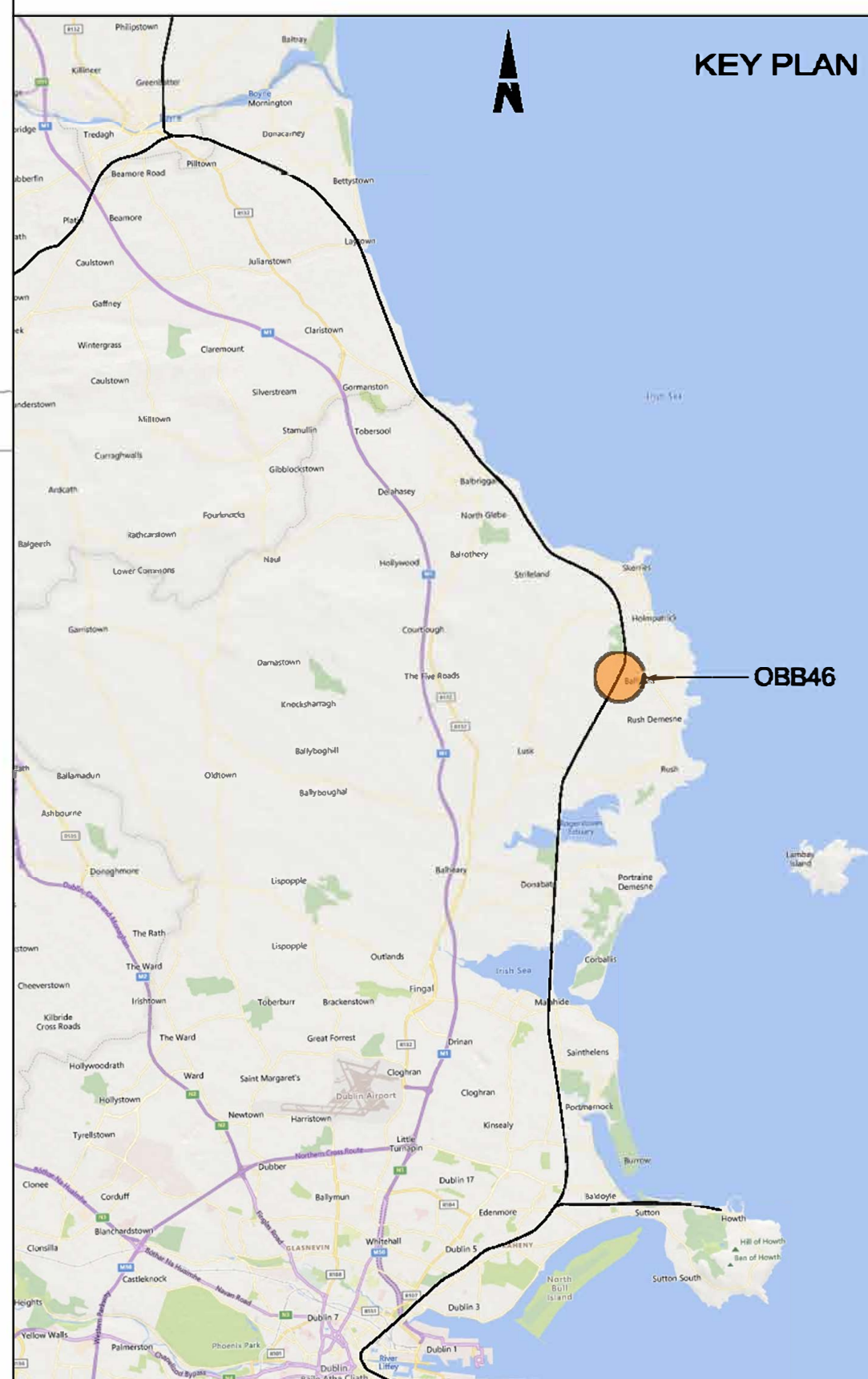
08 Skerries

**BRIDGE PARAPET
MODIFICATIONS**



- NOTES**
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. PROPOSED AND EXISTING OVERHEAD LINE EQUIPMENT (OHLE) IS NOT SHOWN IN PLAN OR ELEVATION.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS
 - DEVELOPMENT BOUNDARY
 - EXISTING BRIDGE



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Rev	Date	Dm	Chk'd	App'd	Description
P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

Client
Iarnród Éireann
Irish Rail

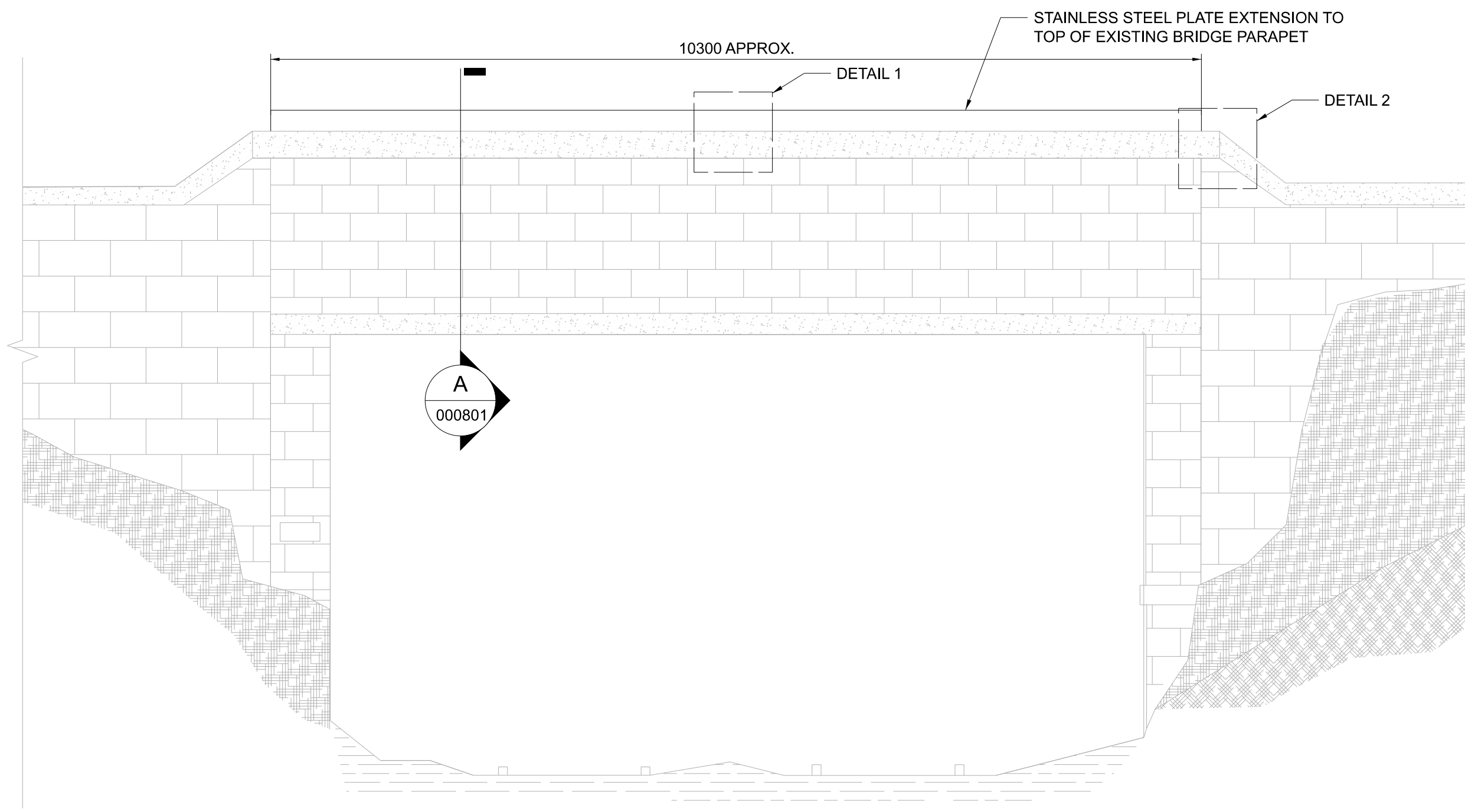
Engineering Designer
ARUP

Date: 01/08/23 | Scale: 1:1000 @ A1 @ A3 | Drawn: AC | Checked: CG | Approved: DB

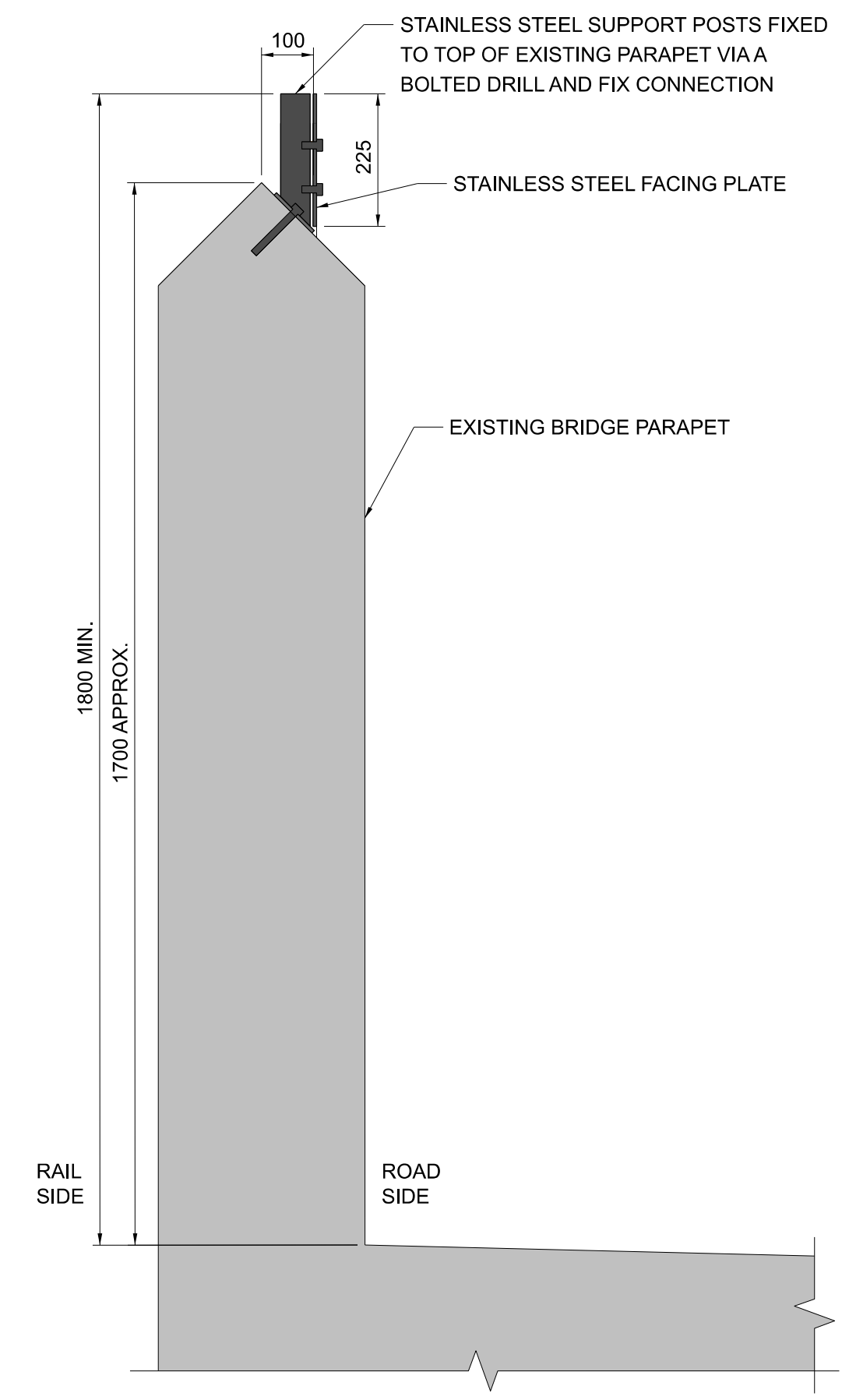
Project Code: D+WP56 | Originator Code: ARP | QMS Code: 280275-00

Project Title DART+ COASTAL NORTH			
Drawing Title OBB46 L1285 BALDONGAN PARAPET MODIFICATIONS SITE LOCATION PLAN			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000800	Sheet Number 01 of 01	Status S3	Rev P01

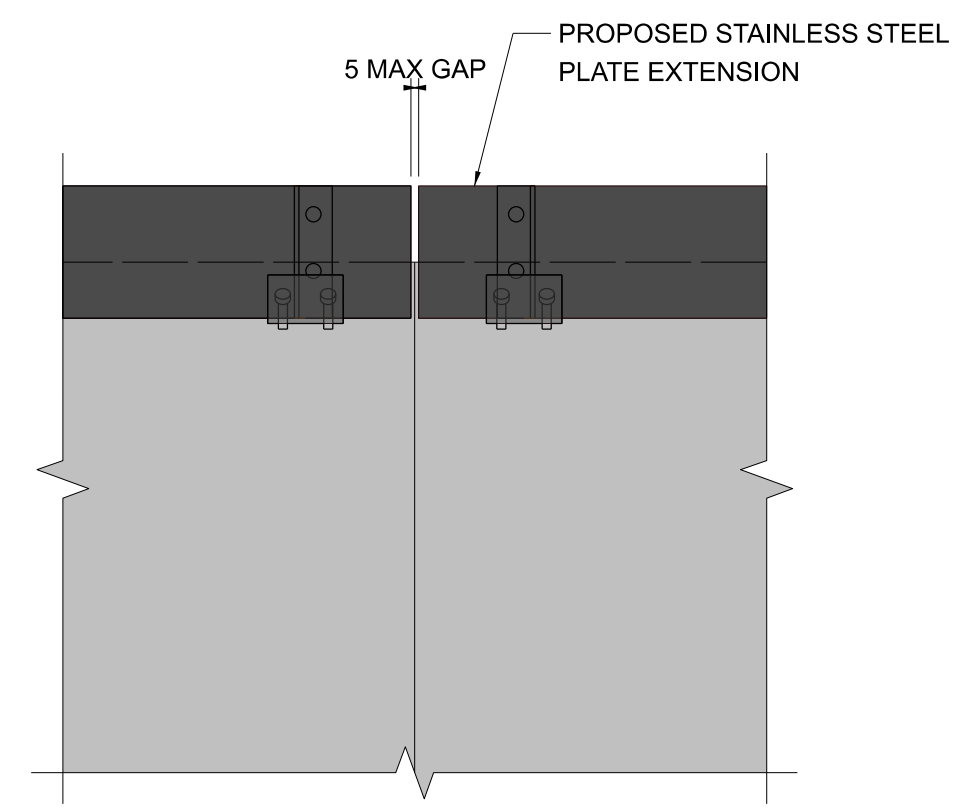
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



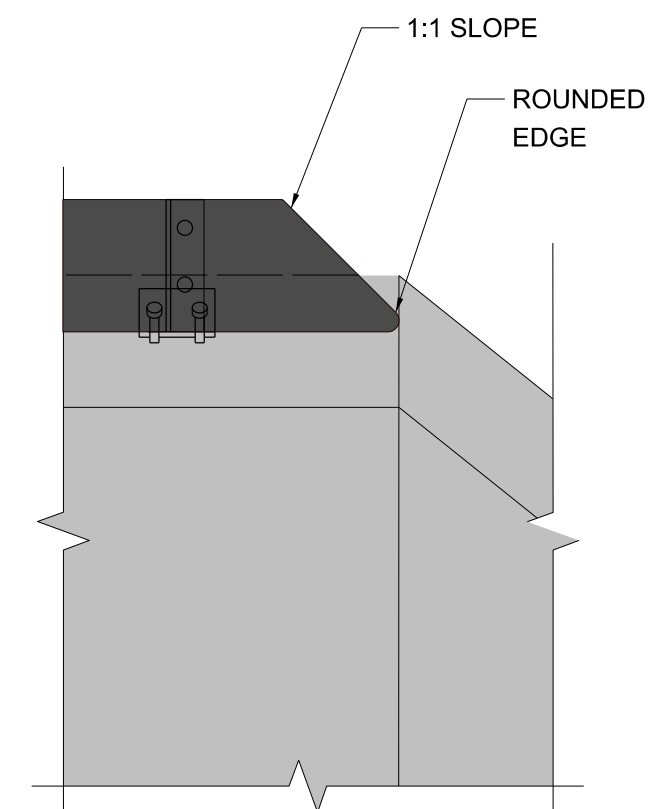
ELEVATION
000801 1:50



SECTION A
000801 1:10



1 DETAIL 1
000801 1:10



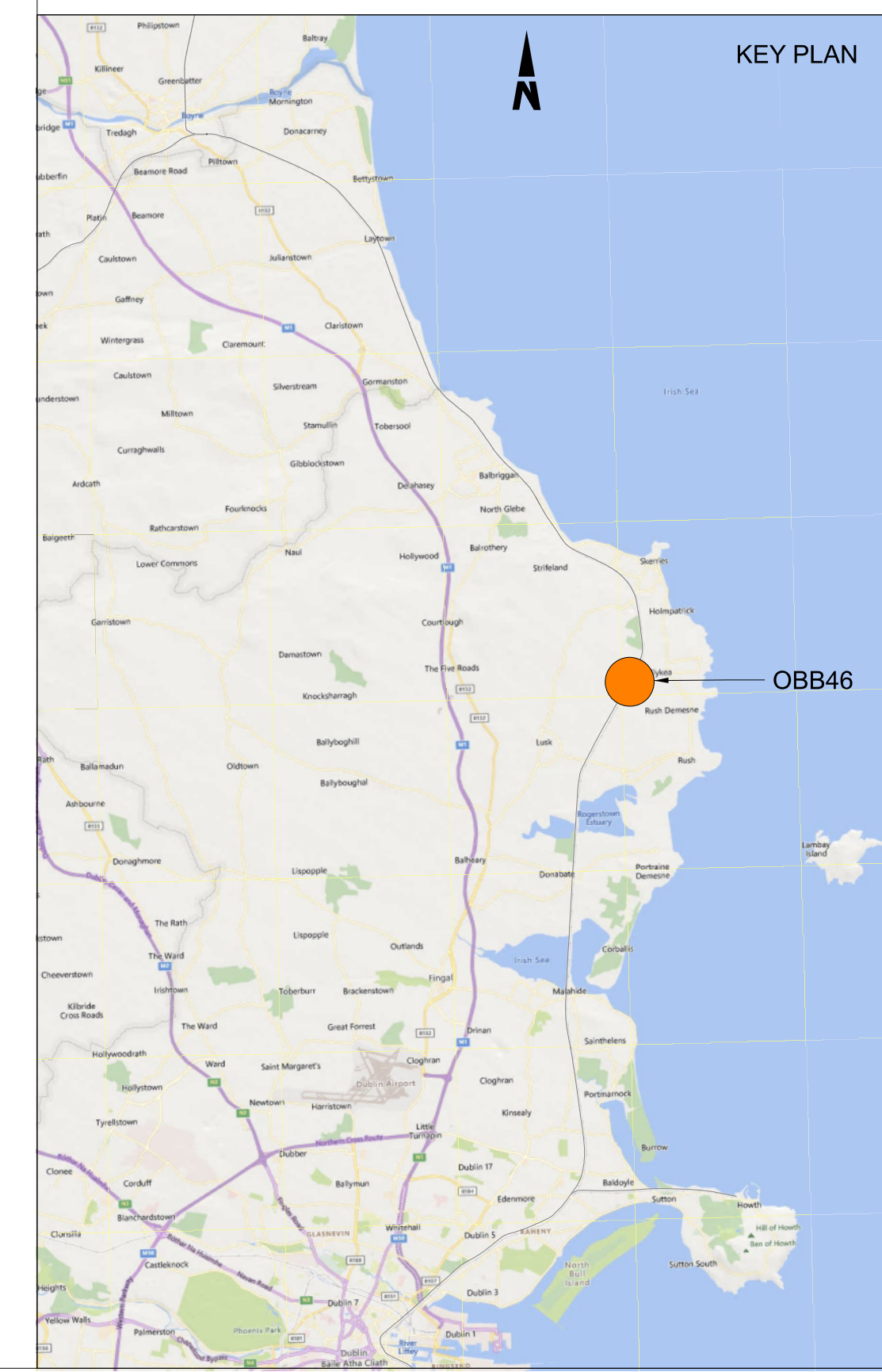
2 DETAIL 2
000801 1:10



1 OBB46 PARAPET IMAGE
000801 1:10

- NOTES**
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. ANCHOR BOLTS TO BE INSTALLED IN EXISTING PARAPET COPINGS. PULL-OUT TESTS ON ANCHOR BOLTS SHALL BE UNDERTAKEN TO CONFIRM SUITABILITY OF BASE MATERIAL.
 5. STAINLESS STEEL PLATE AND SUPPORT POSTS SHALL BE GRADE EN 1.4401 (GRADE 316 EQUIVALENT).
 6. STAINLESS STEEL BOLT AND SCREW CONNECTIONS SHALL BE GRADE A4-70.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS



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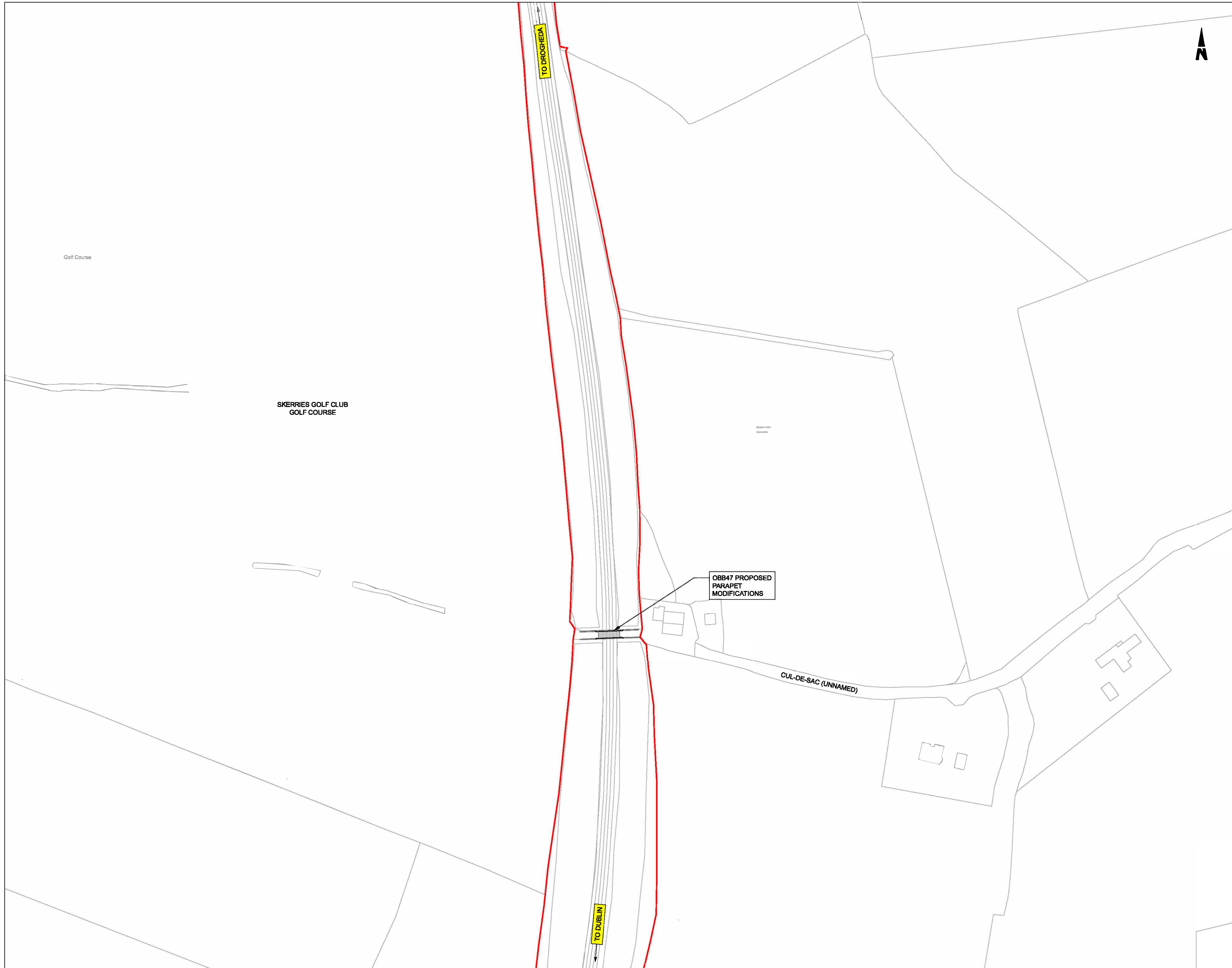


Rev	Date	Drn	Chk'd	App'd	Description
P01	13/10/2023	WC	CG	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale As Shown @ A1 @ A3	Drawn WC	Checked CG	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

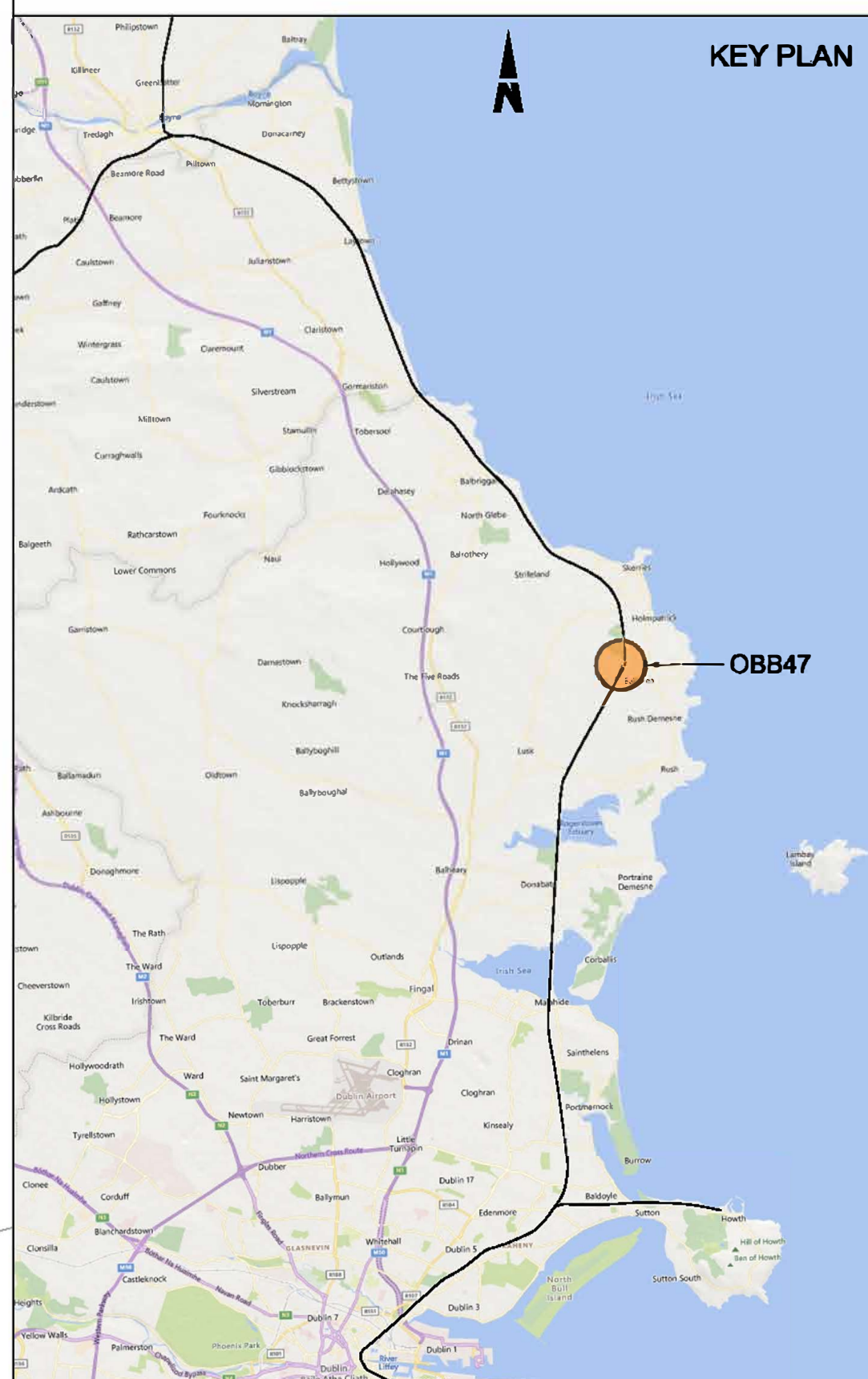
Project Title DART+ COASTAL NORTH				
Drawing Title OBB 46 L1285 BALDONGAN PARAPET MODIFICATIONS GENERAL ARRANGEMENT				
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000801	Sheet Number 01 of 01	Status S3	Rev P01	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- NOTES:**
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 2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. PROPOSED AND EXISTING OVERHEAD LINE EQUIPMENT (OHLE) IS NOT SHOWN IN PLAN OR ELEVATION.

- LEGEND:**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS
 - DEVELOPMENT BOUNDARY
 - EXISTING BRIDGE



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Rev	Date	Dm	Chk'd	App'd	Description
P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

Client
Iarnród Éireann
Irish Rail

Engineering Designer
ARUP

Date: 01/08/23 Scale: 1:1000 @ A1 @ A3

Project Code: D+WP56 Originator Code: ARP QMS Code: 280275-00

Drawn: AC Checked: CG Approved: DB

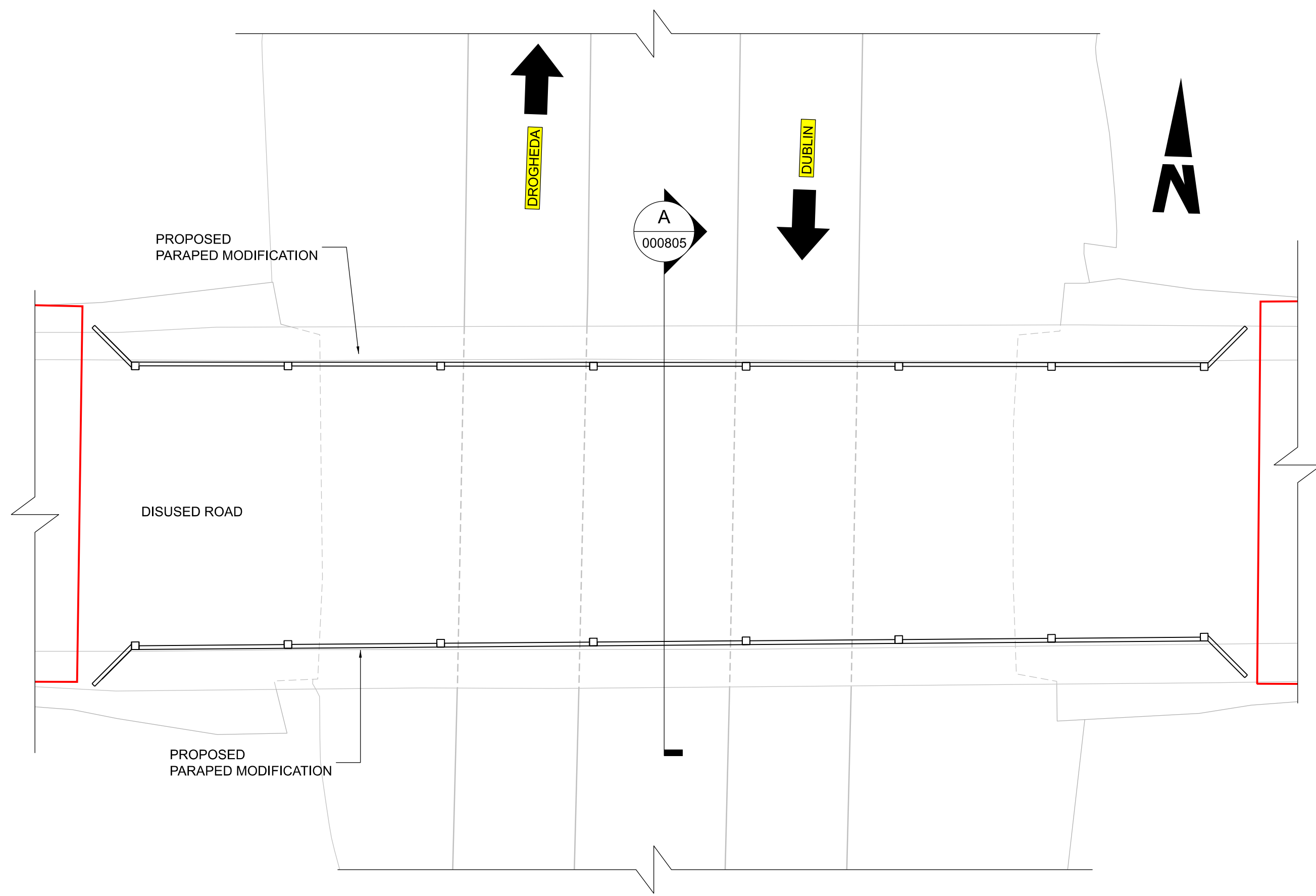
Project Title
DART+ COASTAL NORTH

Drawing Title
OBB47
PARAPET MODIFICATIONS
SITE LOCATION PLAN

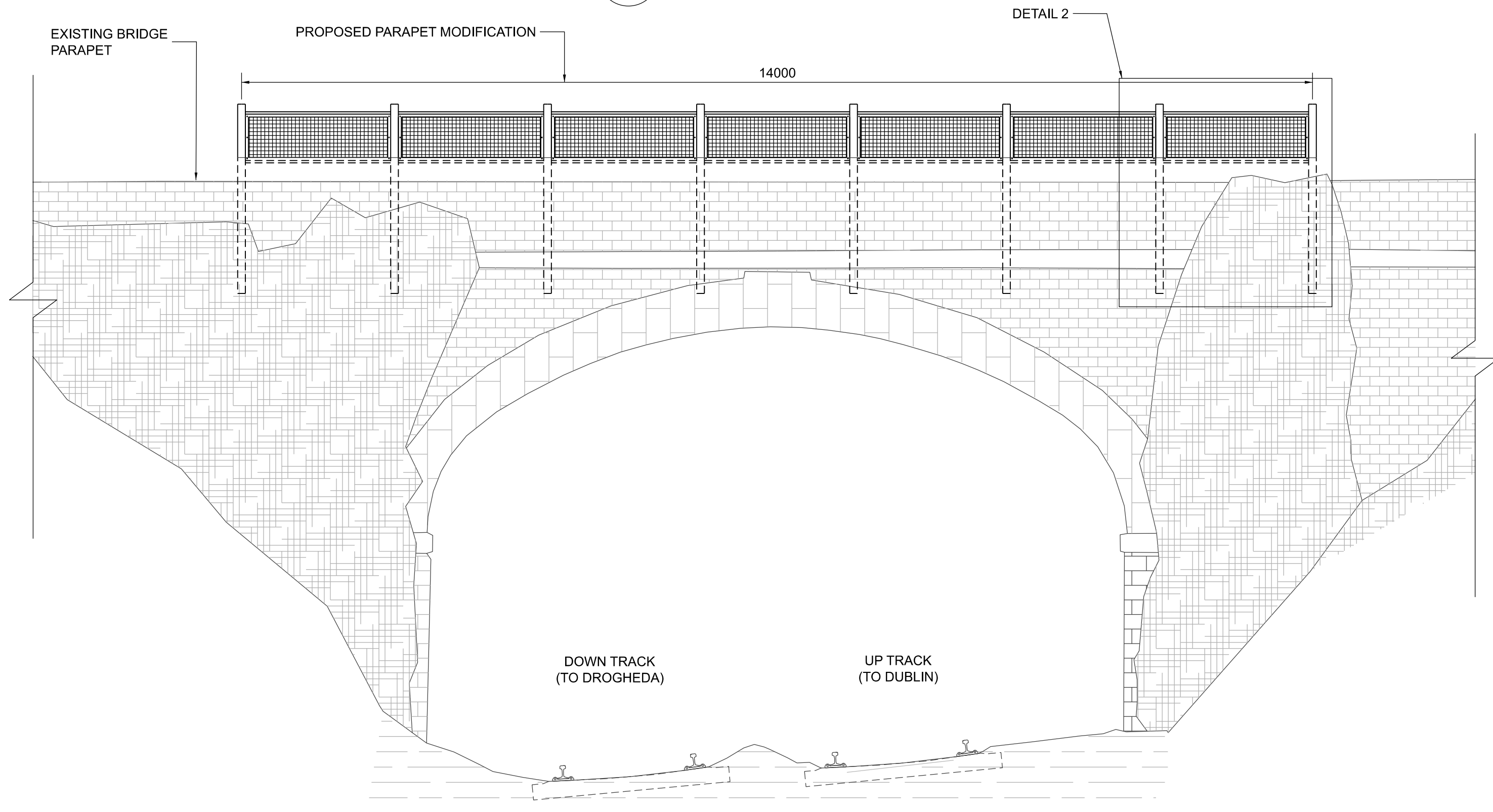
Drawing File Name: D+WP56-ARP-P4-NL-DR-RO-000804

Sheet Number: 01 of 01 Status: S3 Rev: P01

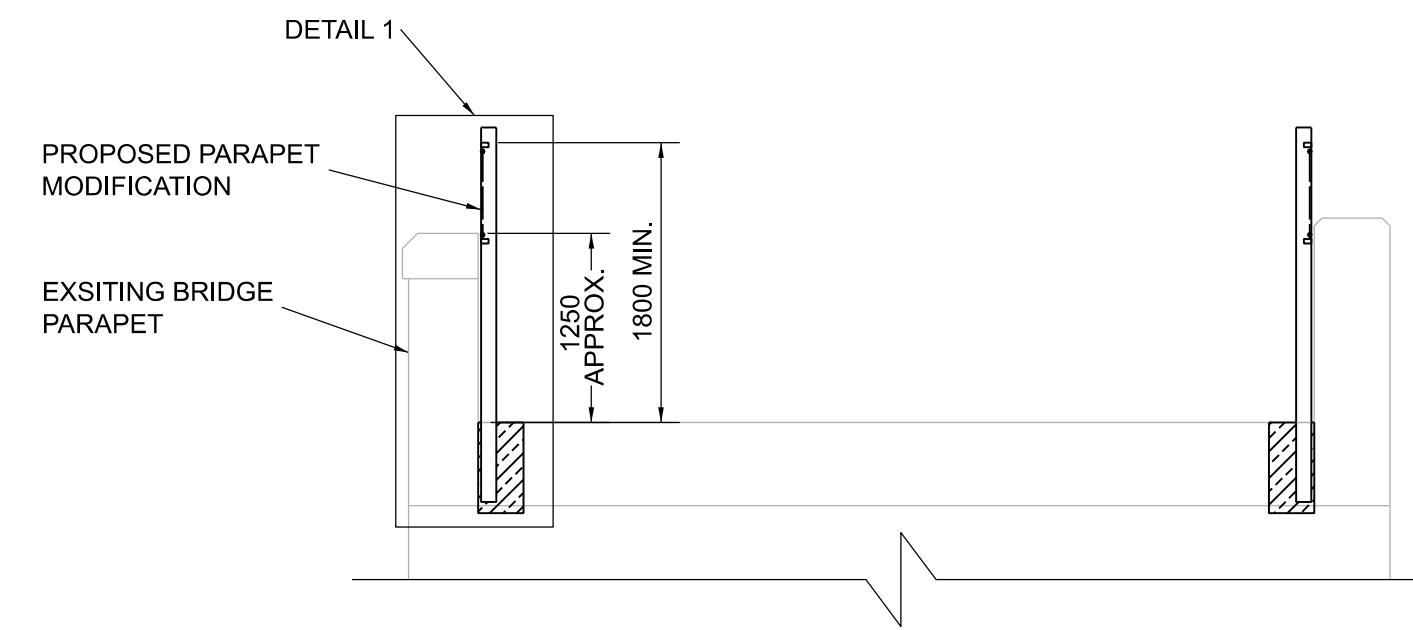
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



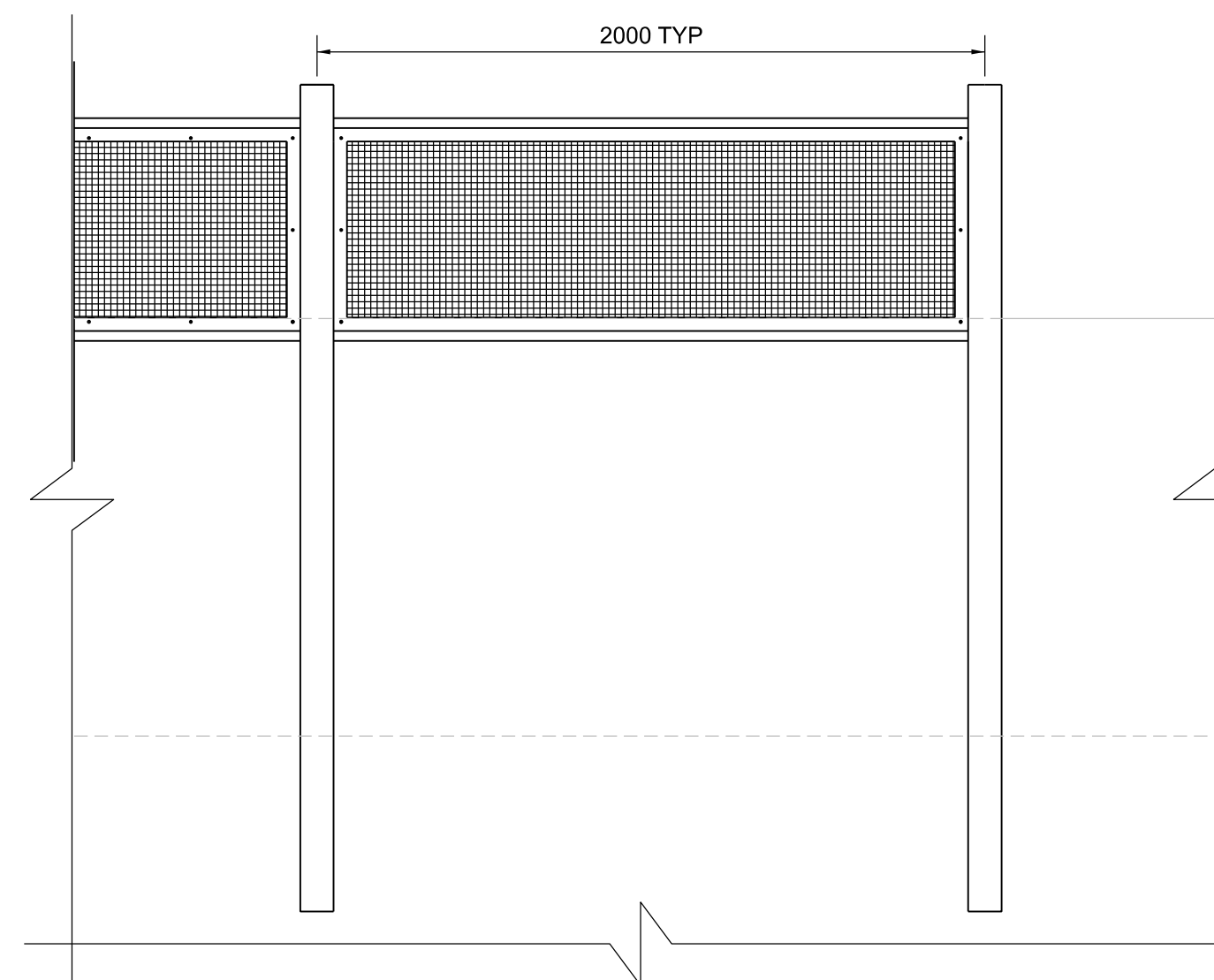
PLAN
000805 1:50



ELEVATION
000805 1:50

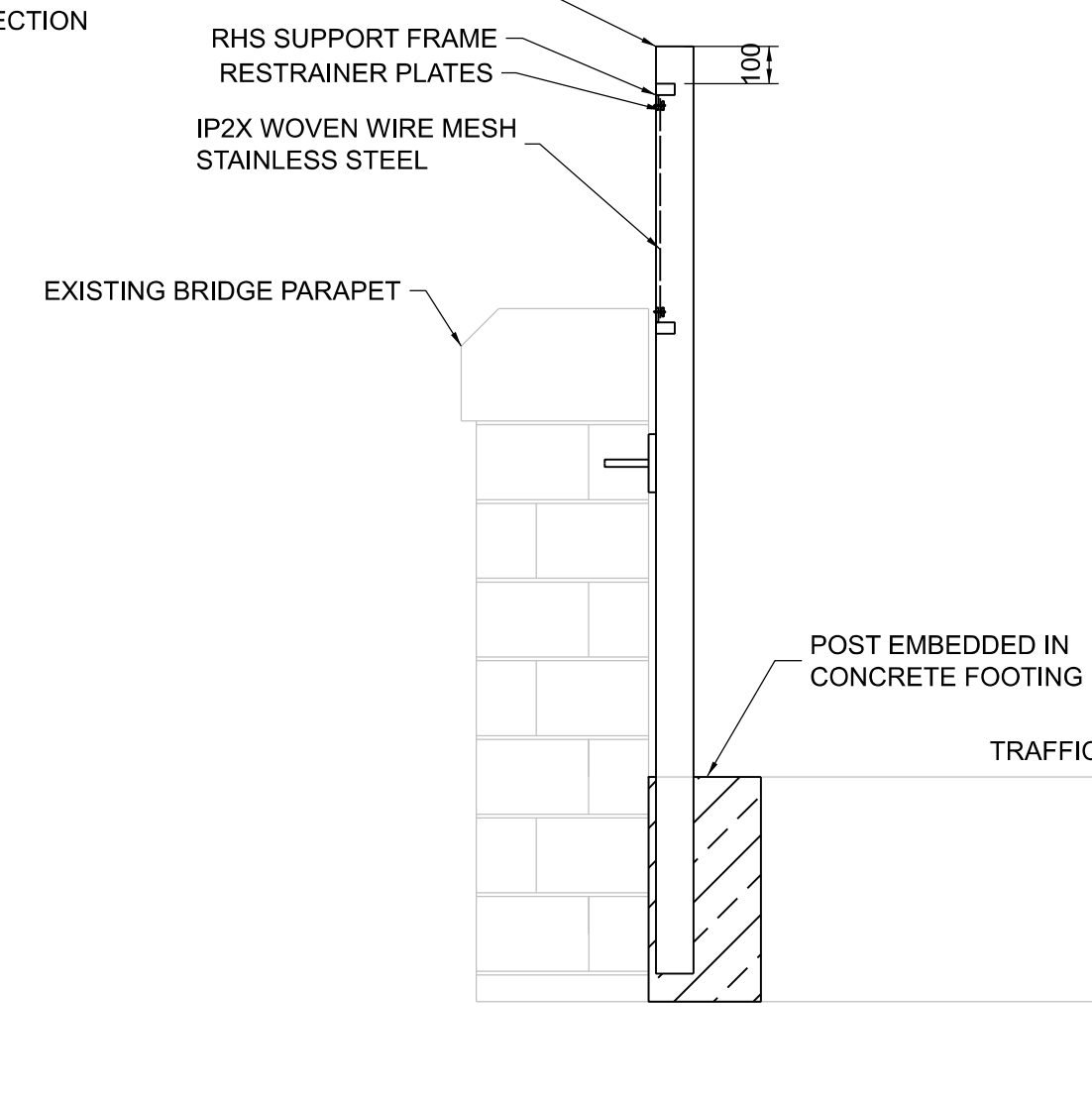


SECTION A
000805 1:50



DETAIL 2
000805 1:20

STAINLESS STEEL SUPPORT POST AT 2m C/C SUPPORTED IN CONCRETE FOOTING AND FIXED TO FACE OF EXISTING PARAPET VIA A BOLTED DRILL AND FIX CONNECTION



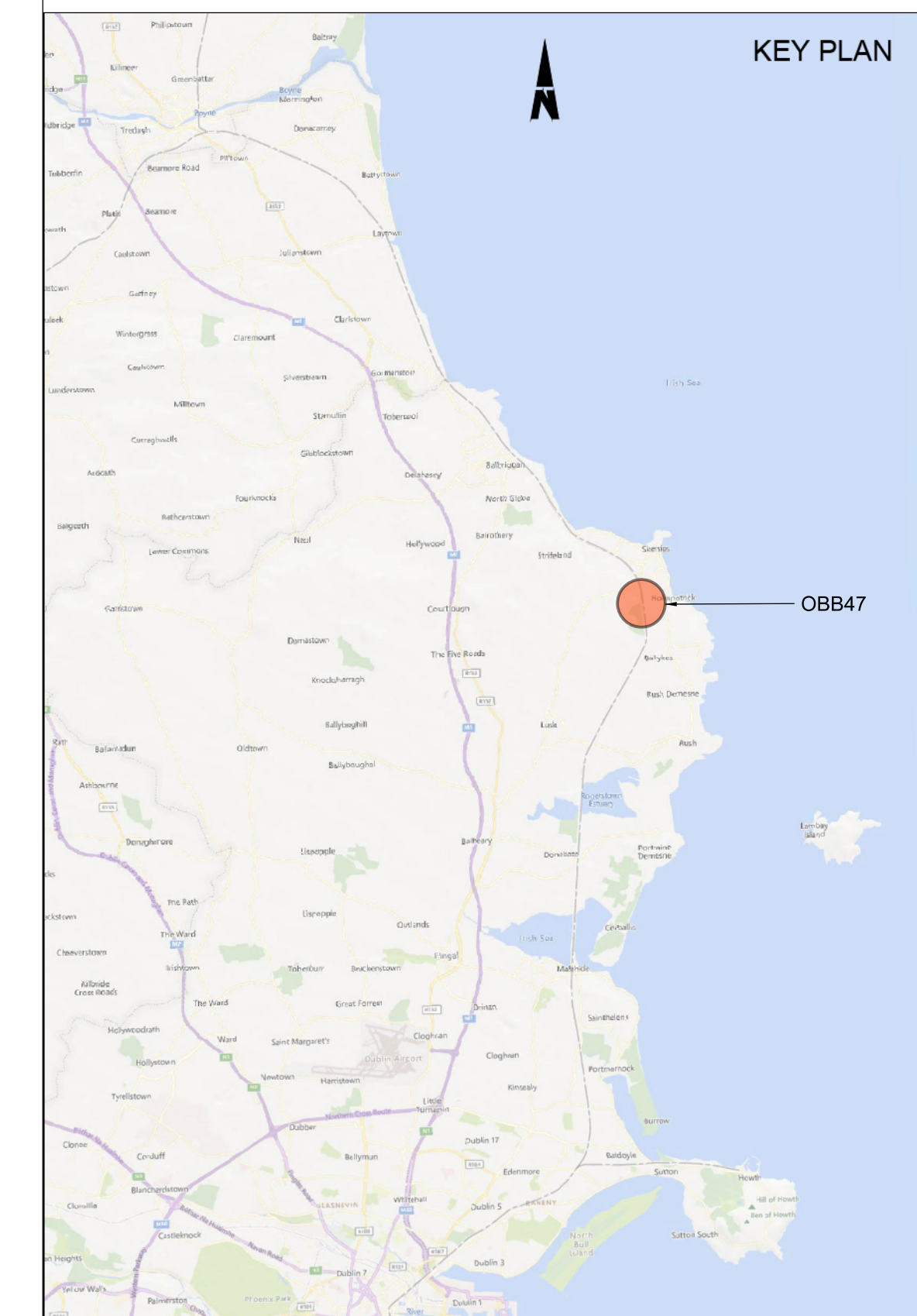
DETAIL 1
000805 1:20

NOTES:

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2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.
4. STAINLESS STEEL SHALL BE GRADE EN 1.4401 (GRADE 316 EQUIVALENT).
5. STAINLESS STEEL BOLT AND SCREW CONNECTIONS SHALL BE GRADE A4-70.

LEGEND:

- DEVELOPMENT BOUNDARY
- PROPOSED ELEMENTS
- EXISTING ELEMENTS



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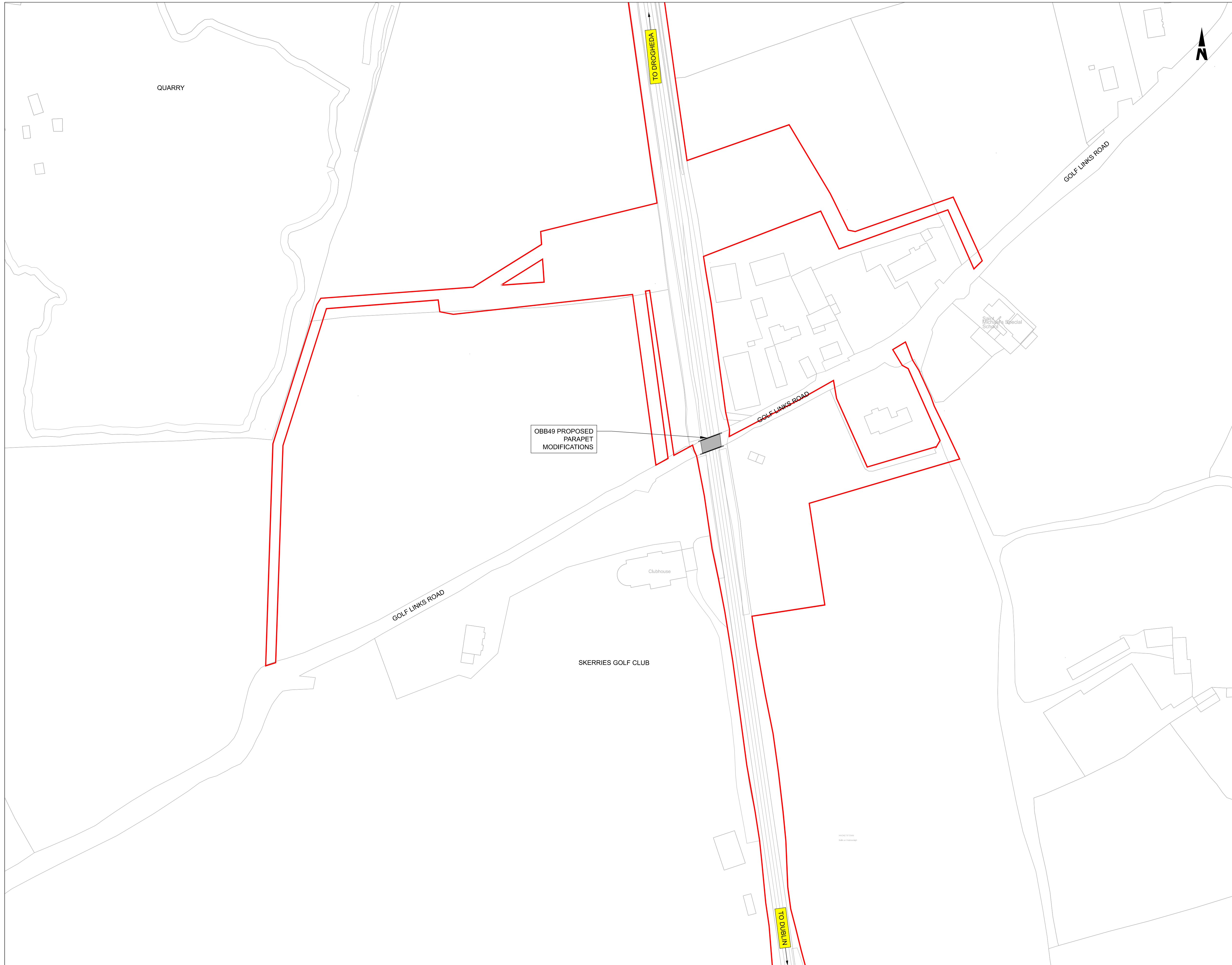


Rev	Date	Drm	Chk'd	App'd	Description
P01	13/10/2023	AA	CG	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale As Shown @ A1 @ A3	Drawn AA	Checked CG	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

Project Title DART+ COASTAL NORTH			
Drawing Title OBB47 - DISUSED ROAD - SKERRIES GOLF CLUB PARAPET MODIFICATIONS GENERAL ARRANGEMENT			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000805	Sheet Number 01 of 01	Status S3	Rev P01

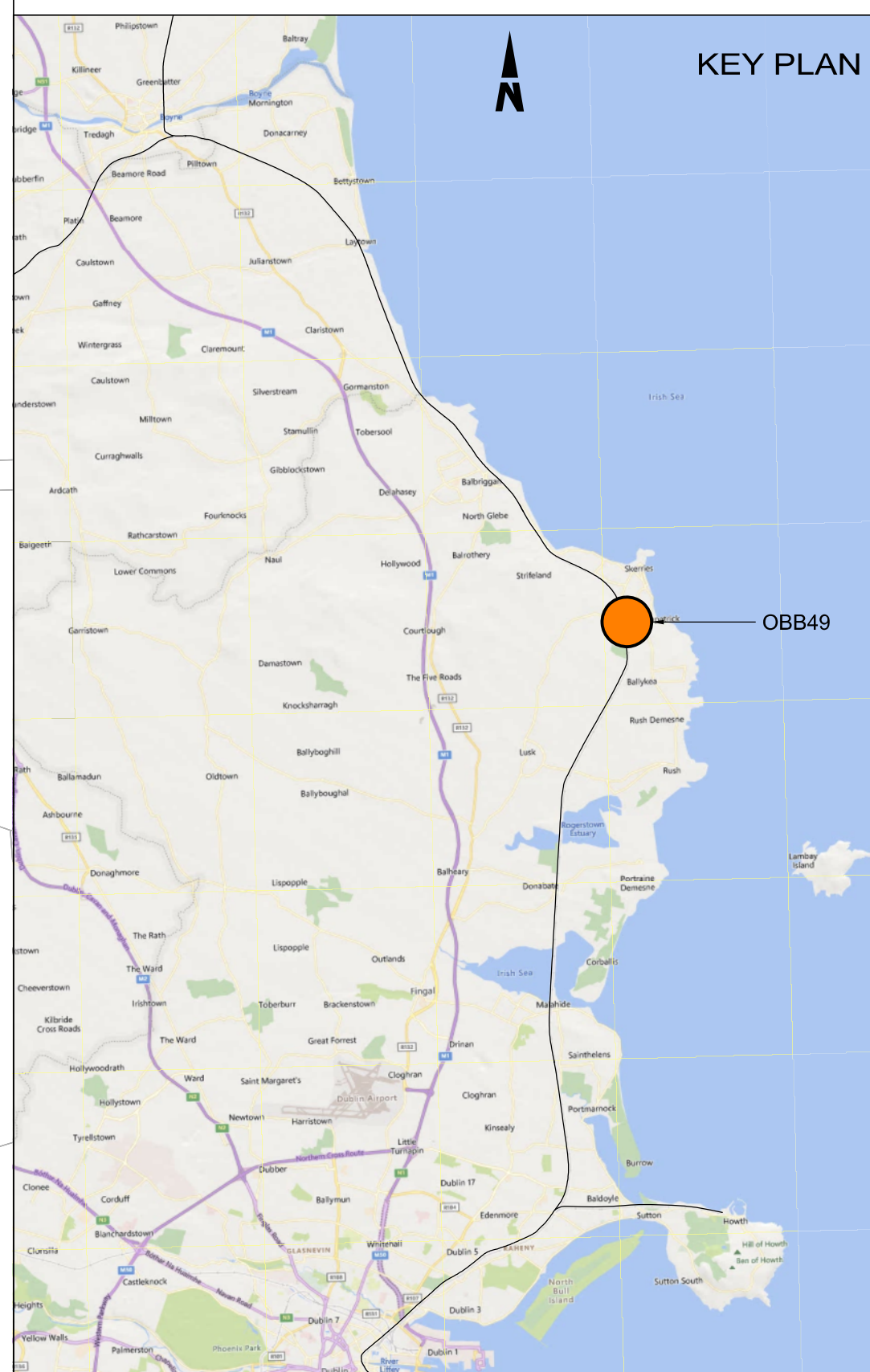
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- NOTES**
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
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LEGEND

- EXISTING ELEMENTS
- PROPOSED ELEMENTS
- DEVELOPMENT BOUNDARY
- EXISTING BRIDGE



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Rev	Date	Dwn	Chk'd	App'd	Description
P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

Client
Iarnród Éireann
Irish Rail

Engineering Designer
ARUP

Date: 01/06/23 | Scale: 1:1000 @ A1 @ A3

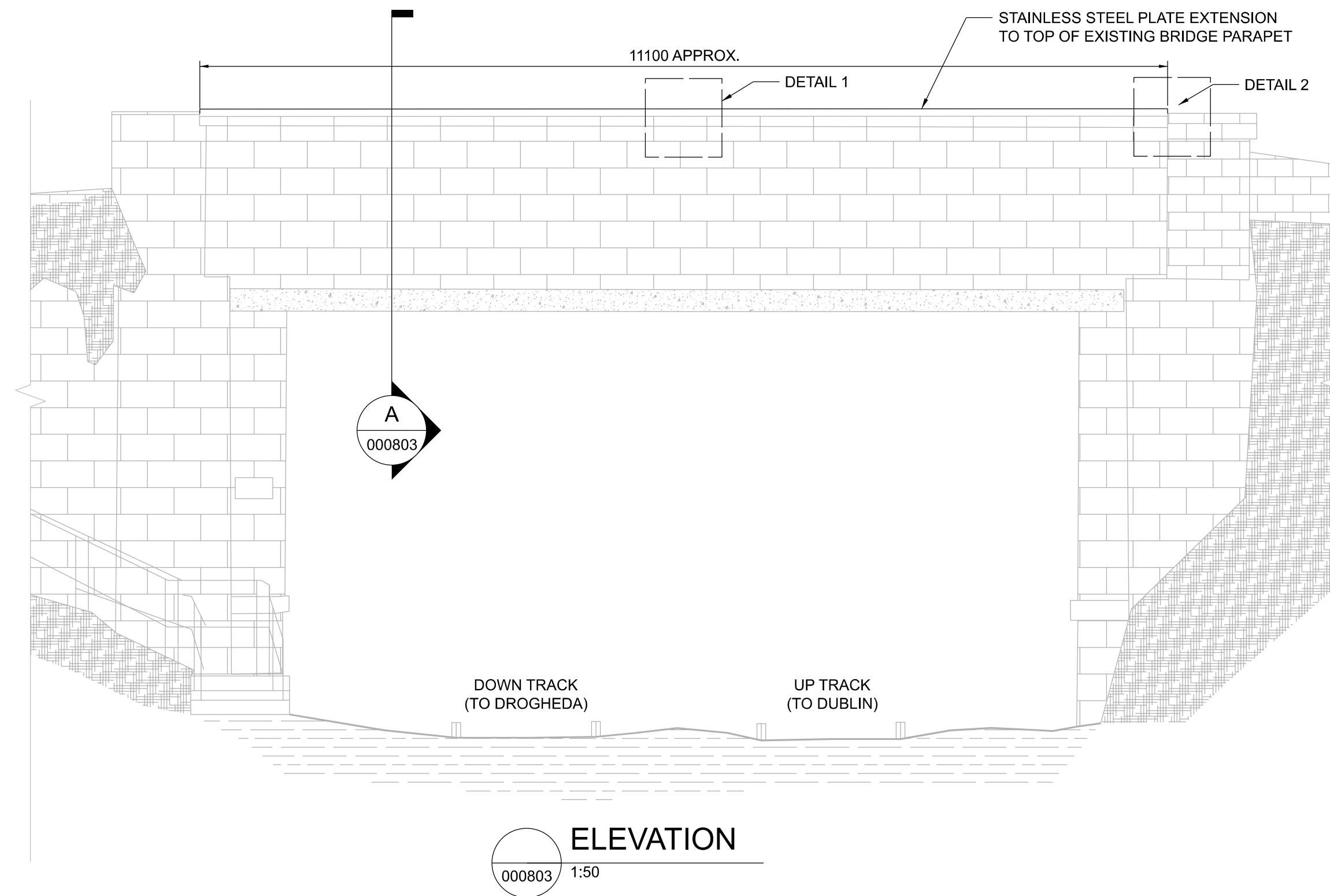
Project Code: D+WP56 | Originator Code: ARP

QMS Code: 280275-00

Drawn: AC | Checked: CG | Approved: DB

Project Title DART+ COASTAL NORTH			
Drawing Title OBB49 PARAPET MODIFICATIONS SITE LOCATION PLAN			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000802	Sheet Number 01 of 01	Status S3	Rev P01

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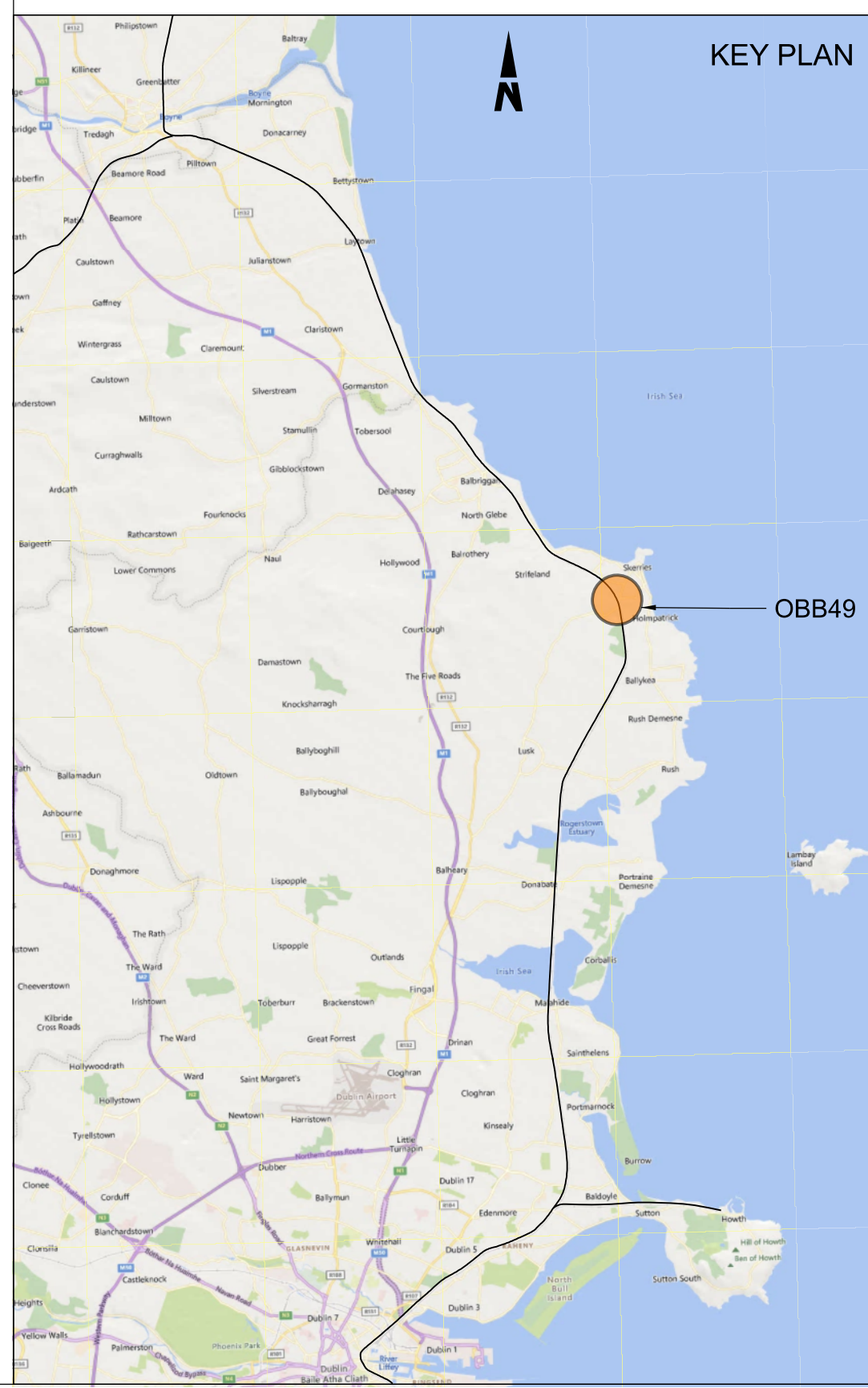
ELEVATION
000803 1:50

NOTES

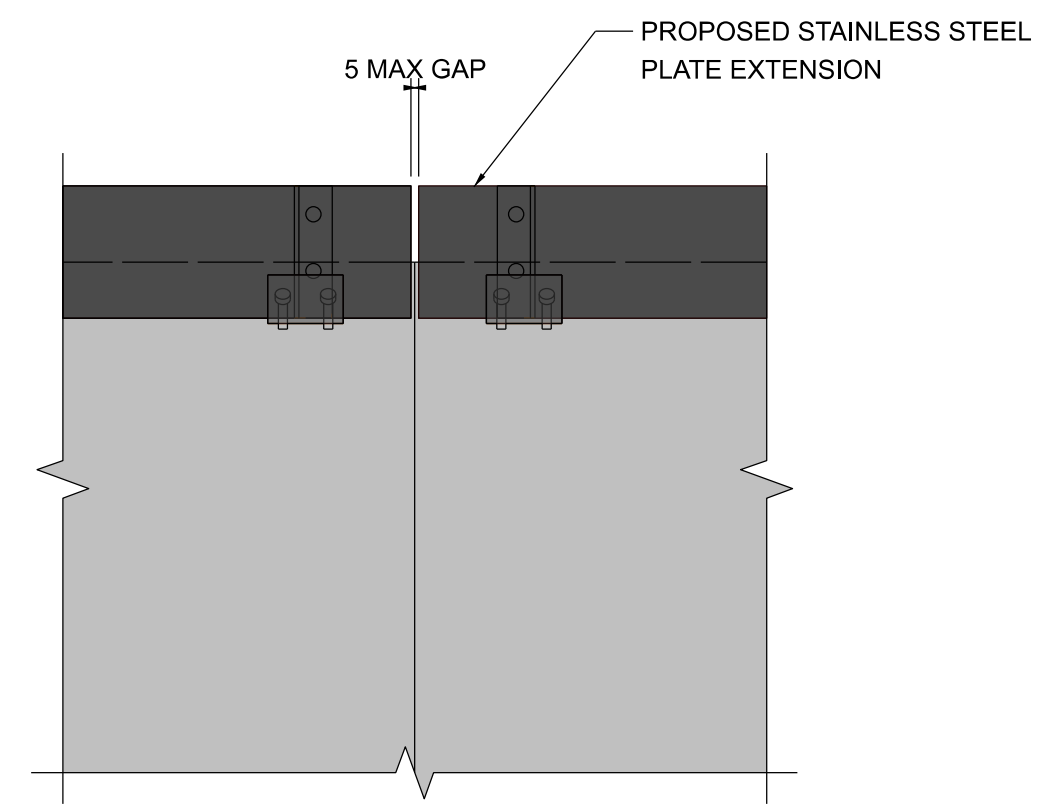
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.
4. ANCHOR BOLTS TO BE INSTALLED IN EXISTING PARAPET COPINGS. PULL-OUT TESTS ON ANCHOR BOLTS SHALL BE UNDERTAKEN TO CONFIRM SUITABILITY OF BASE MATERIAL.
5. STAINLESS STEEL PLATE AND SUPPORT POSTS SHALL BE GRADE EN 1.4401 (GRADE 316 EQUIVALENT).
6. STAINLESS STEEL BOLT AND SCREW CONNECTIONS SHALL BE GRADE A4-70.
7. PROPOSED AND EXISTING OVERHEAD LINE EQUIPMENT (OHL) IS NOT SHOWN IN PLAN OR ELEVATION.

LEGEND

- EXISTING ELEMENTS
- PROPOSED ELEMENTS



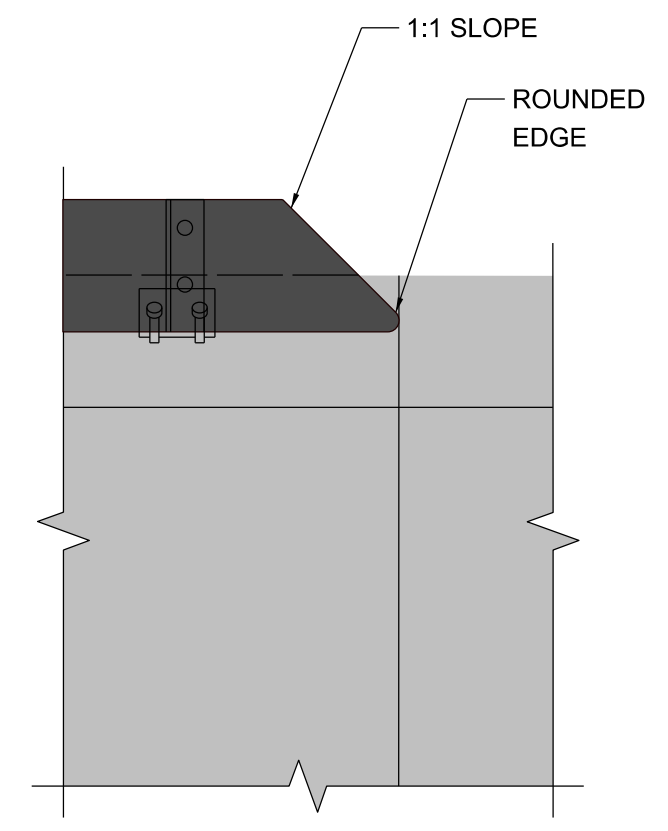
SECTION A
000803 1:10



1 DETAIL 1
000803 1:10



OBB49 PARAPET IMAGE
000803



2 DETAIL 2
000803 1:10

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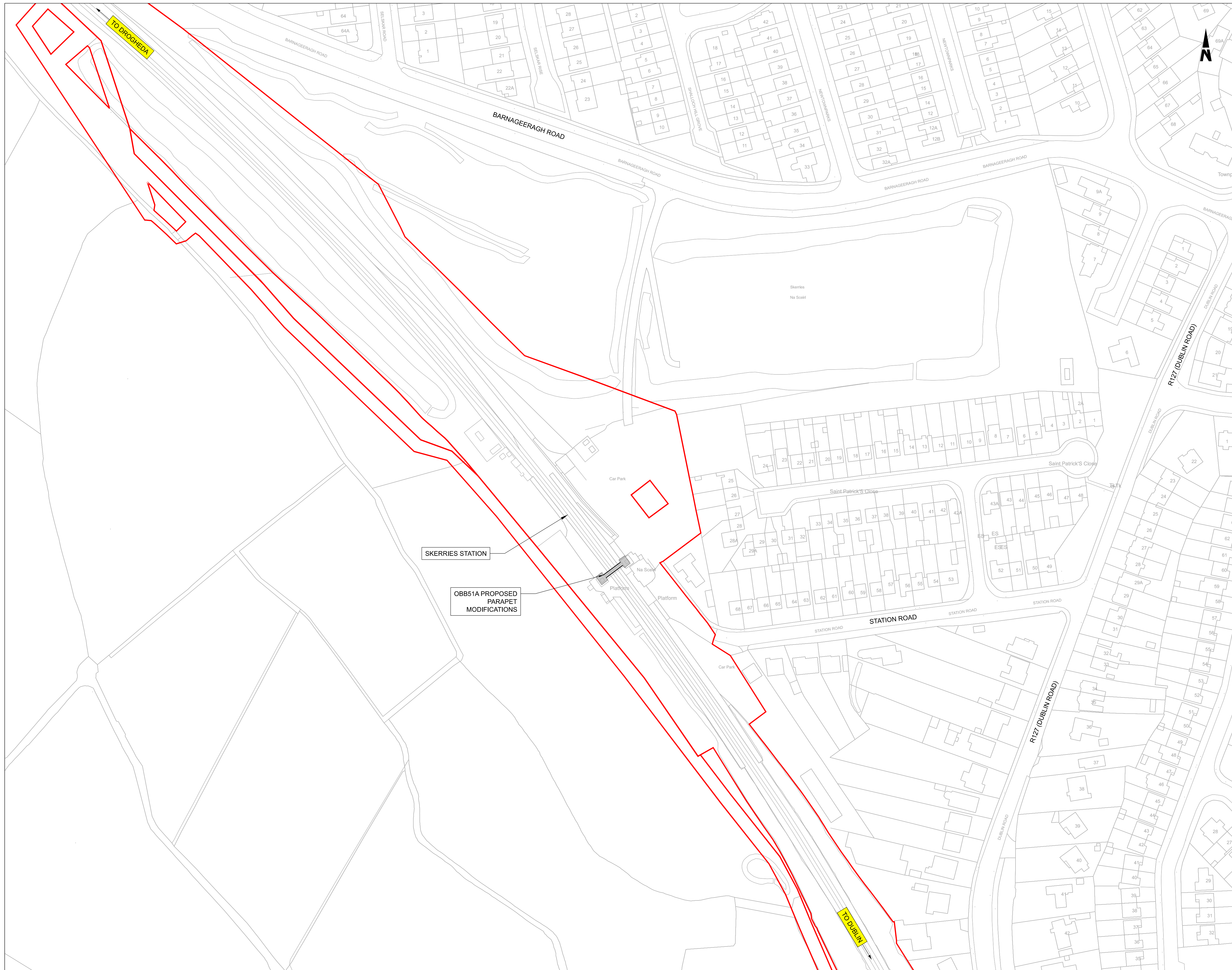


Rev	Date	Drn	Chk'd	App'd	Description
P01	13/10/2023	WC	CG	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale As Shown @ A1 @ A3	Drawn WC	Checked CG	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

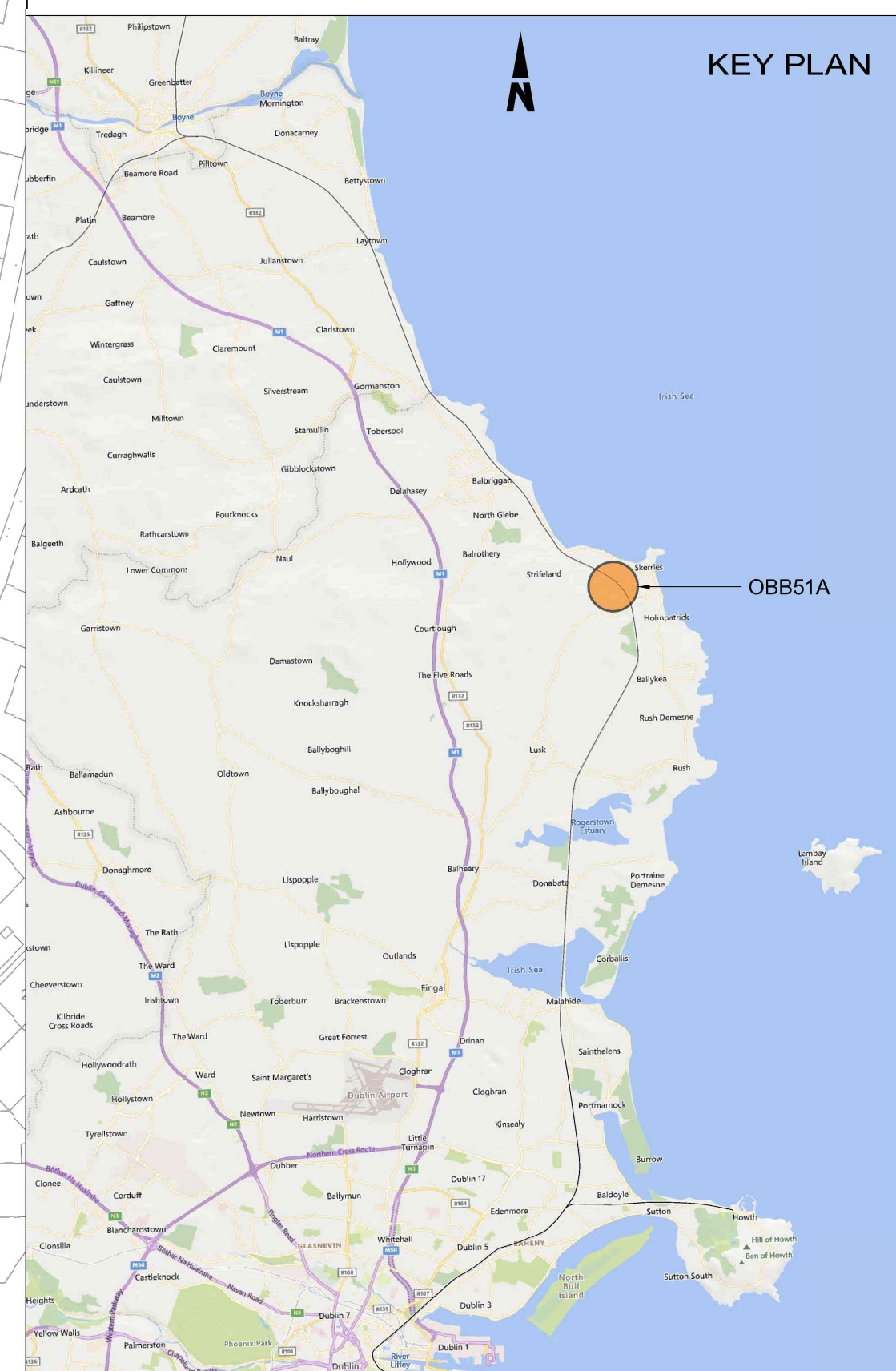
Project Title DART+ COASTAL NORTH				
Drawing Title OBB 49 GOLF LINKS ROAD SKERRIES PARAPET MODIFICATIONS GENERAL ARRANGEMENT				
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000803	Sheet Number 01 of 01	Status S3	Rev P01	

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 3. DO NOT SCALE FROM THIS DRAWING.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS
 - DEVELOPMENT BOUNDARY
 - EXISTING BRIDGE



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Rev	Date	Drn	Chk'd	App'd	Description
P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

Client

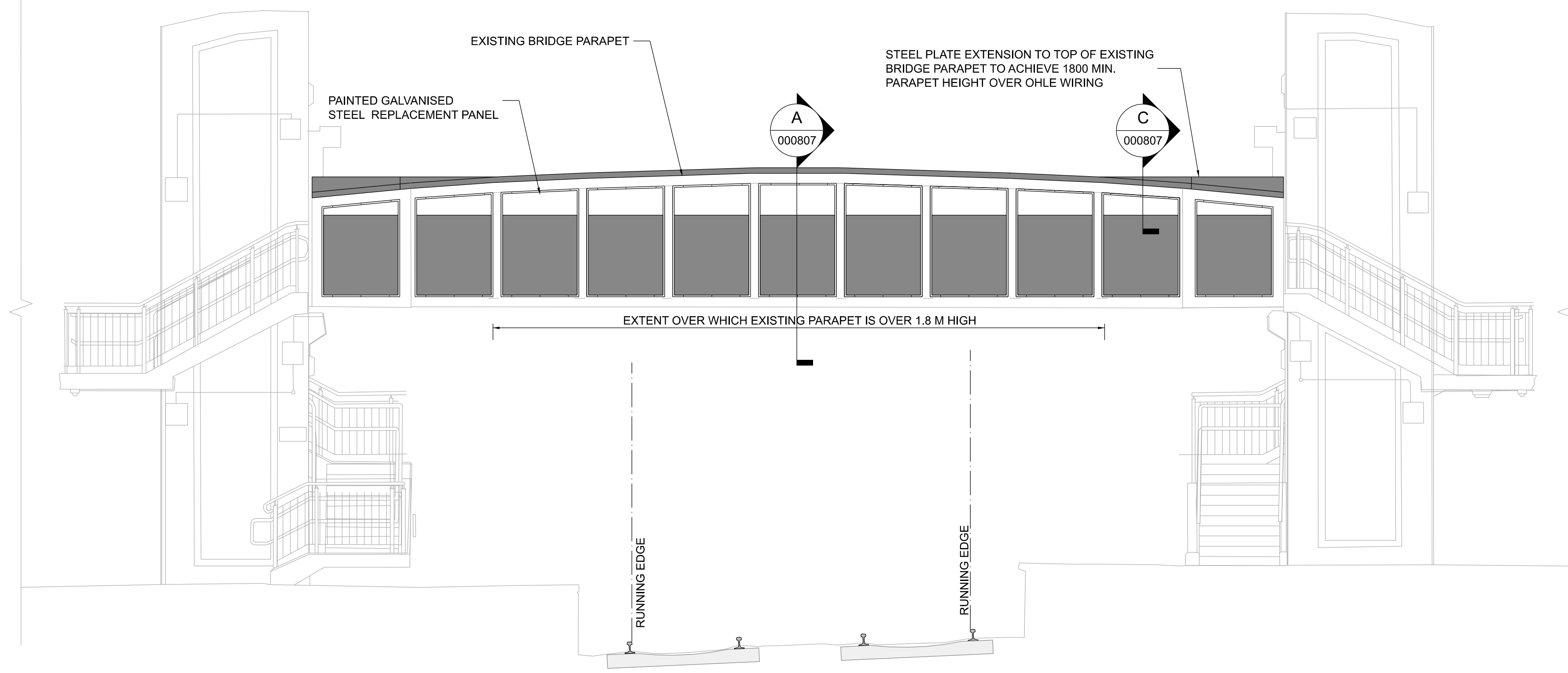
Engineering Designer

ARUP

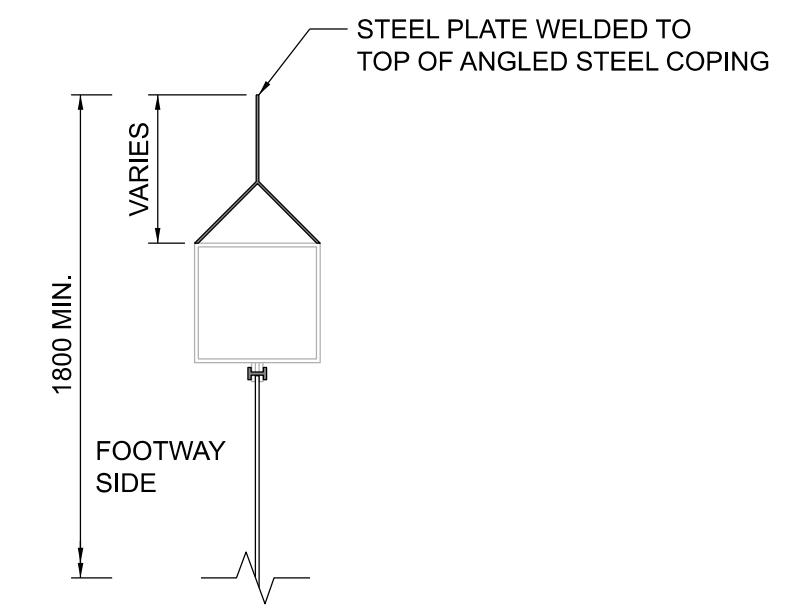
Date	01/06/23	Scale	1:1000 @ A1 @ A3	Drawn	AC	Checked	CG	Approved	DB
Project Code	D+WP56	Originator Code	ARP	QMS Code	280275-00				

Project Title	DART+ COASTAL NORTH		
Drawing Title	OBB51A SKERRIES PARAPET MODIFICATIONS SITE LOCATION PLAN		
Drawing File Name	D+WP56-ARP-P4-NL-DR-RO-000806	Sheet Number	01 of 01
Status	S3	Rev	P01

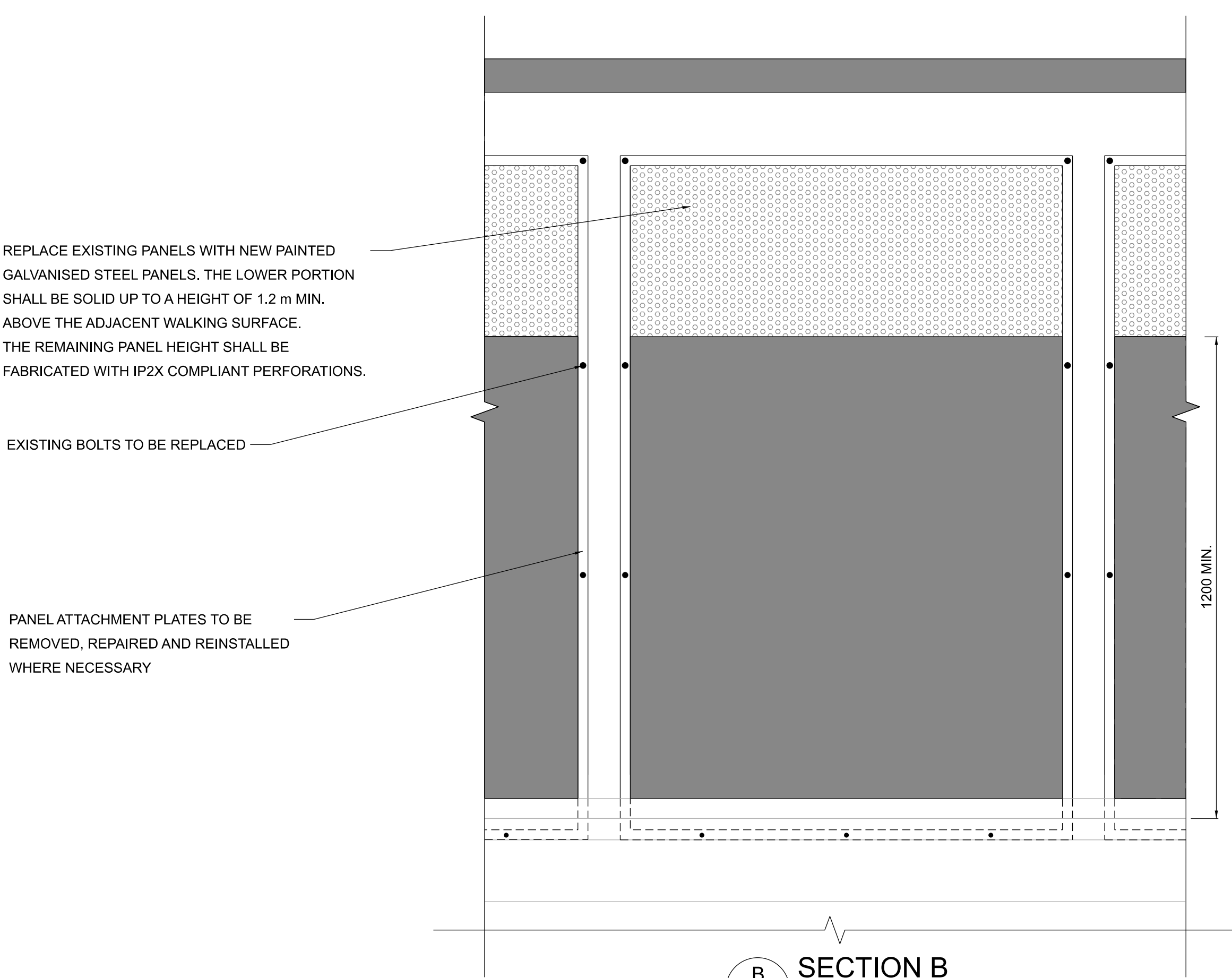
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



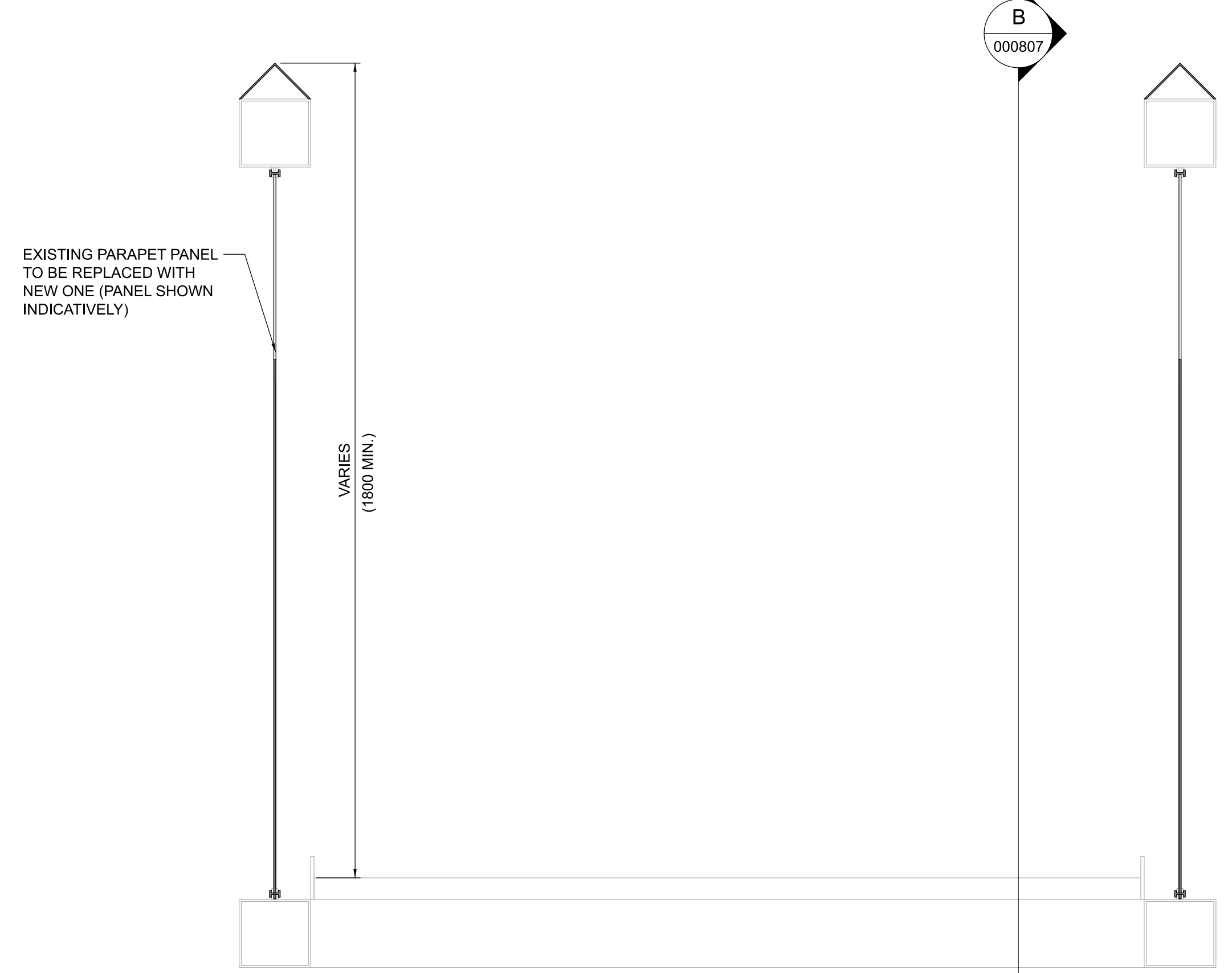
BRIDGE ELEVATION
000807 1:50



SECTION C
000807 1:10



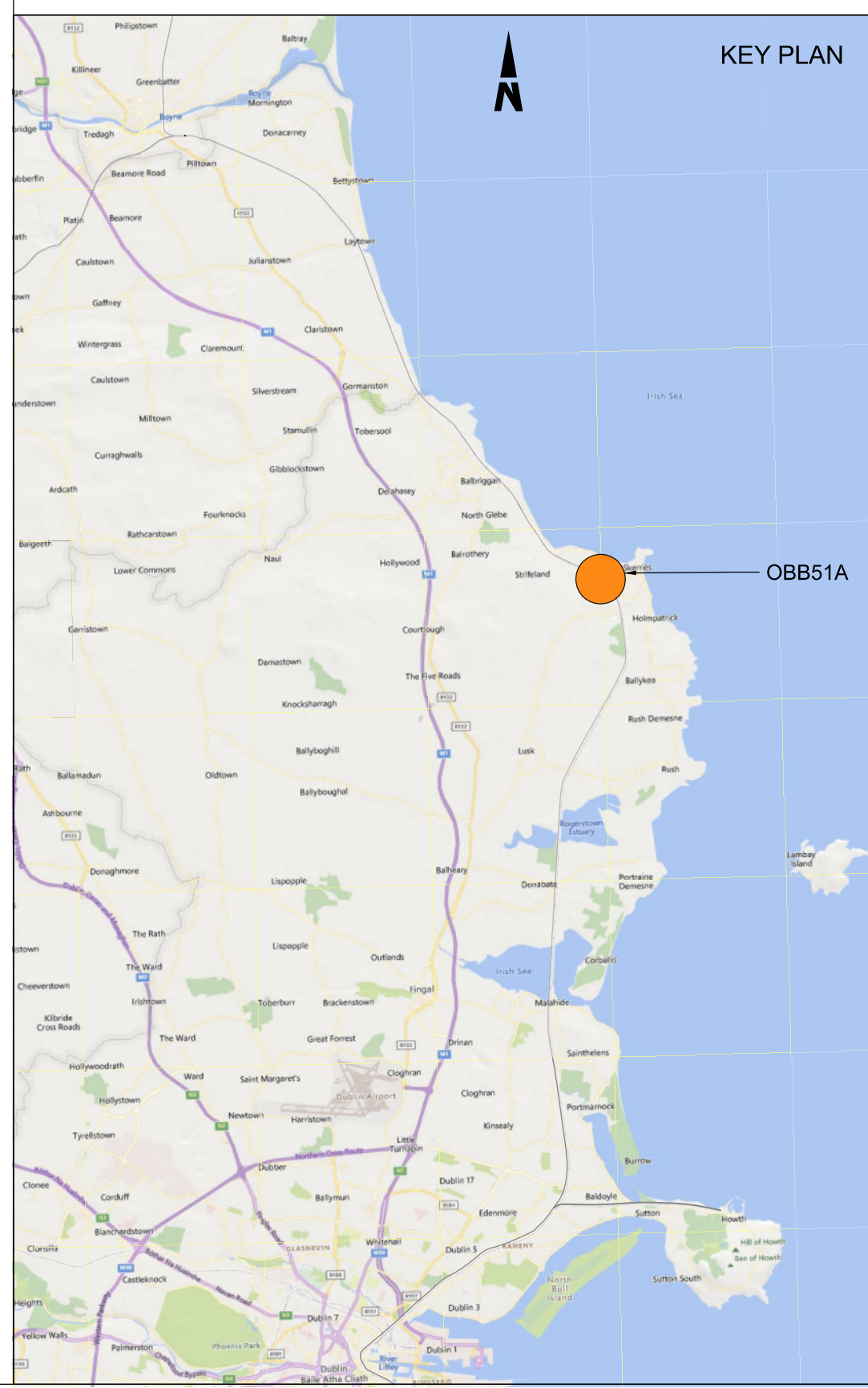
SECTION B
000807 1:10



SECTION A
000807 1:10

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1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. ALL STEELWORK SHALL BE GRADE S355 UNLESS NOTED OTHERWISE. STEELWORK SHALL CONFORM TO THE FOLLOWING STANDARDS:
UB & UC SECTIONS - BS EN 10025
PFC & PLATES - BS EN 10025
RHS, SHS, & CHS - BS EN 10056
FLAT, SQUARE & ROUND BAR - BS EN 10025
 5. ALL WELDED CONNECTIONS SHALL BE GRADE S355 UNLESS NOTED OTHERWISE.
 6. ALL BOLT ASSEMBLIES SHALL BE OF PROPERTY CLASS 8.8 UNLESS NOTED OTHERWISE, WITH HEXAGONAL BOLTS CONFORMING TO BS EN 4014, NUTS TO BS EN 4032 AND HIGH STRENGTH STEEL WASHERS TO BS EN 7091.
 7. ALL STEELWORK SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH IS EN ISO 1461.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS



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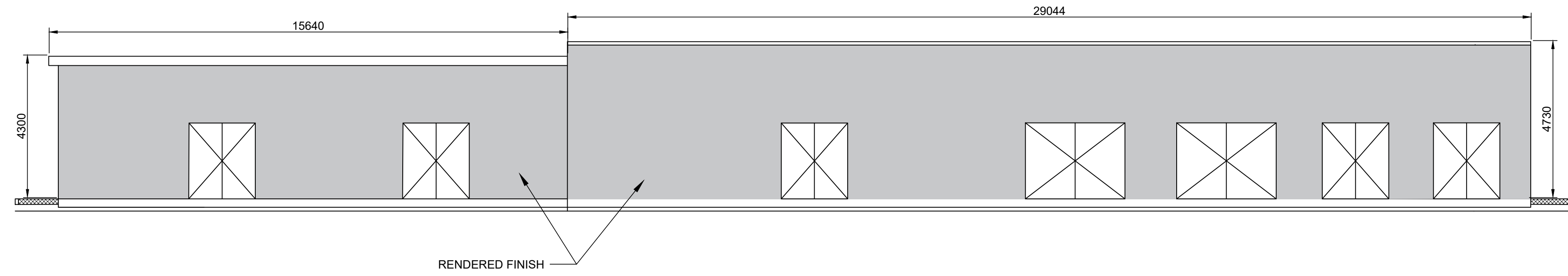


Rev	Date	Drn	Chk'd	App'd	Description
P01	13/10/2023	WC	CG	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale As Shown @ A1 @ A3	Drawn WC	Checked CG	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

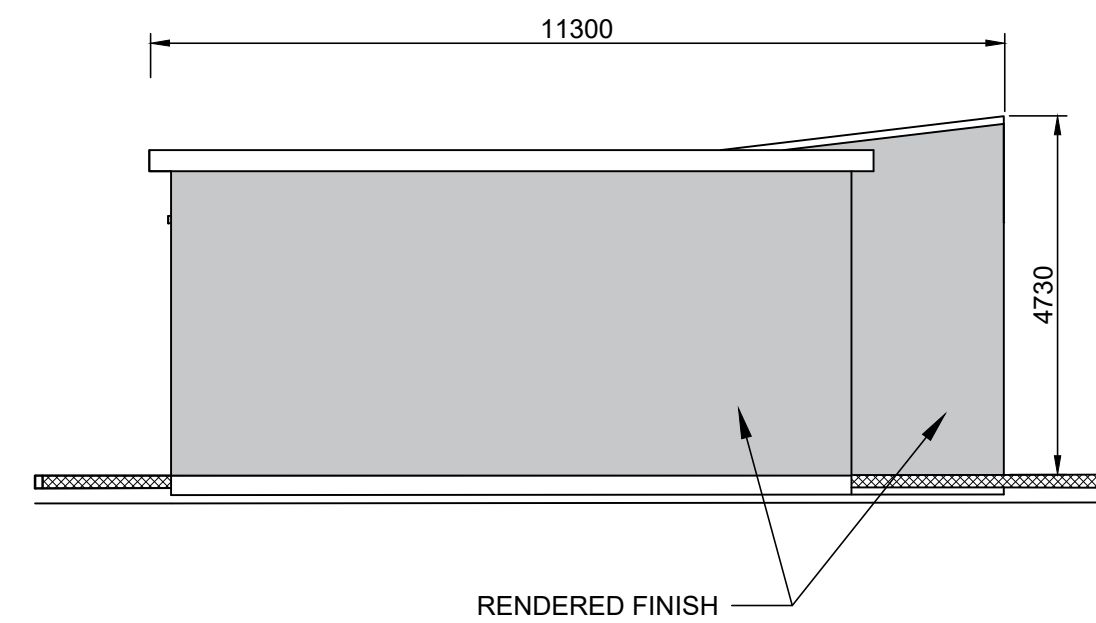
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Drawing Title OBB 51A SKERRIES PARAPET MODIFICATIONS GENERAL ARRANGEMENT			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000807	Sheet Number 01 of 01	Status S3	Rev P01

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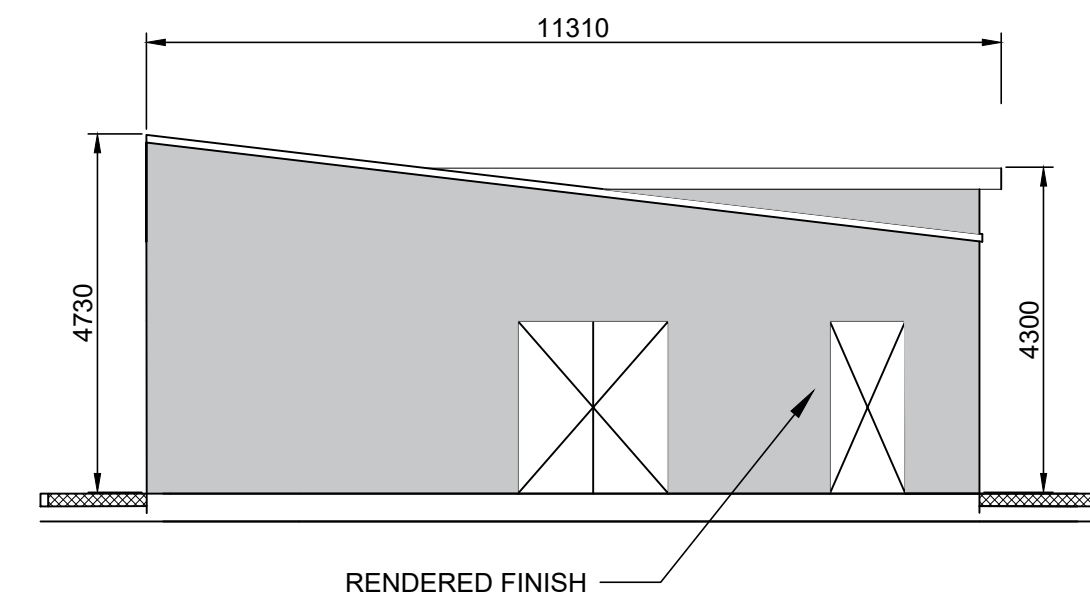
ELEVATION A

1:100 @ A1
1:200 @ A3



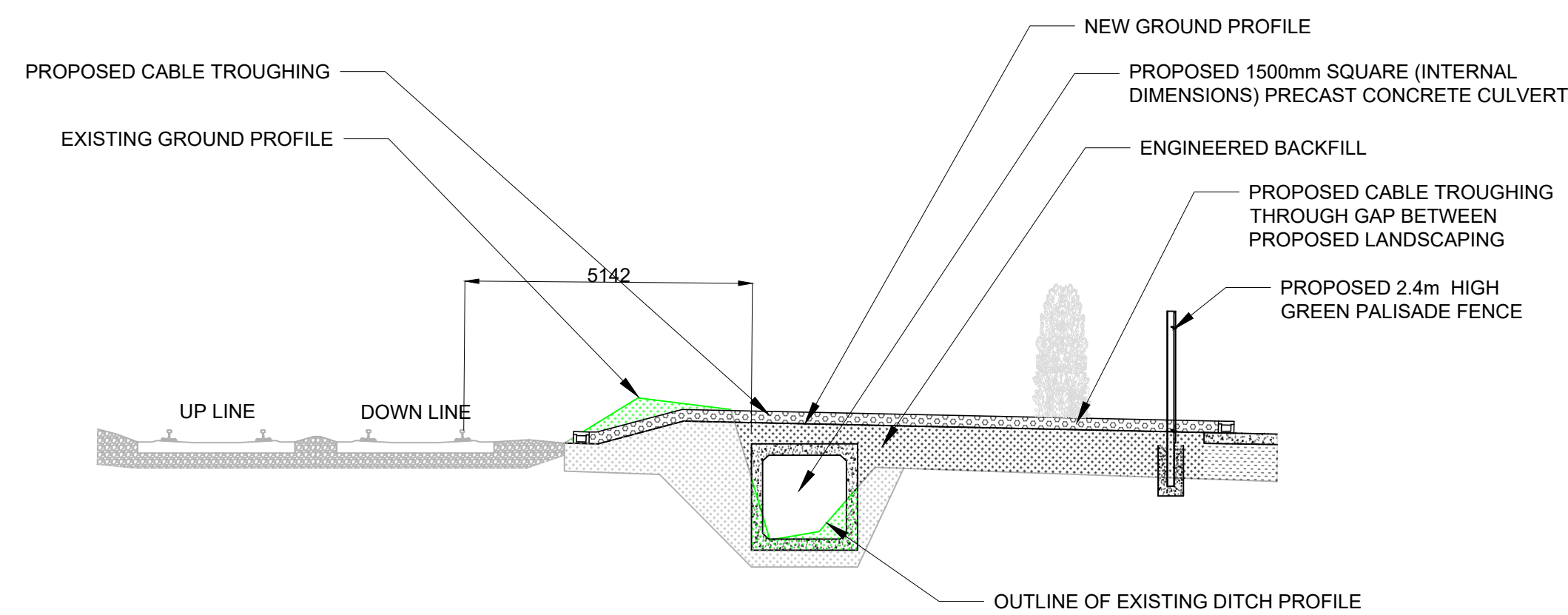
ELEVATION B

1:100 @ A1
1:200 @ A3



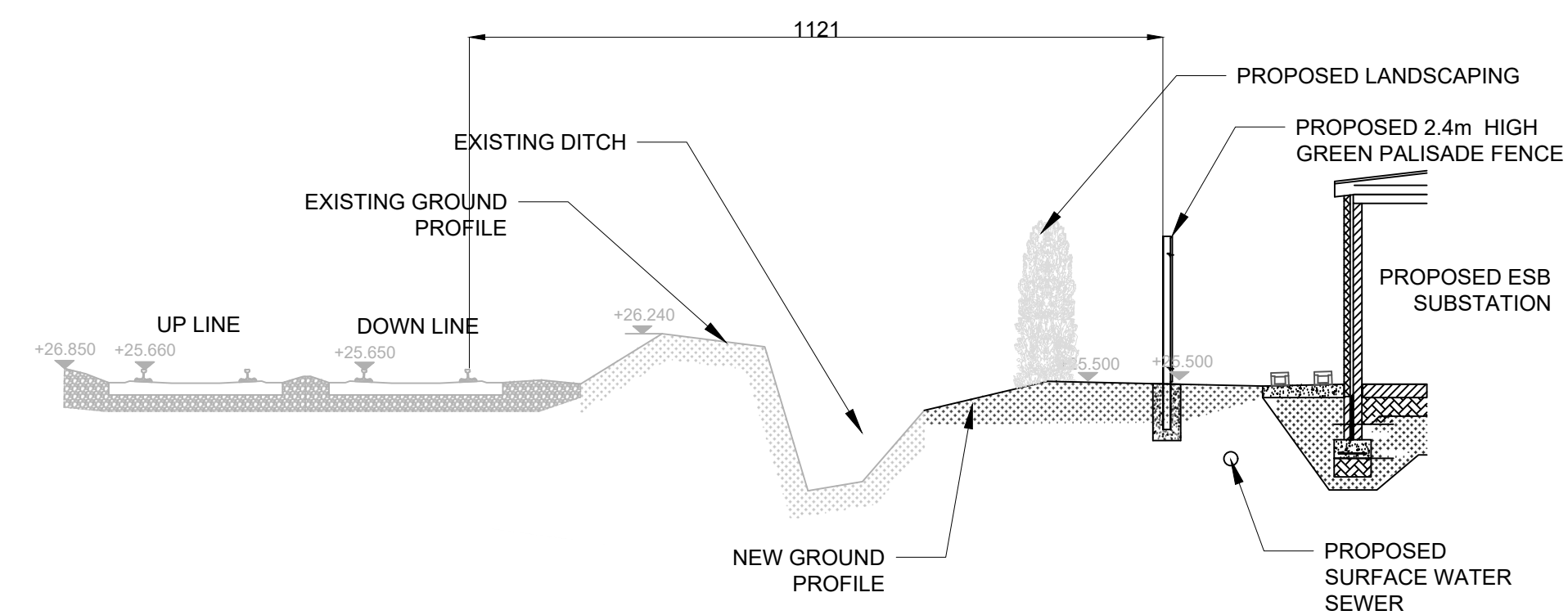
ELEVATION C

1:100 @ A1
1:200 @ A3



CROSS-SECTION A-A

1:100 @ A1
1:200 @ A3



CROSS-SECTION B-B

1:100 @ A1
1:200 @ A3

NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE METERS ABOVE ORDNANCE DATUM (mOD) UNLESS NOTED OTHERWISE.
- THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.
- LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.

LEGEND

- EXISTING ELEMENTS
- PROPOSED ELEMENTS
- ELEMENTS TO BE REMOVED

C:\bms\arup-eur-pw-01\dms29549ID-WP56-ARP-P4-NL-SR-RO-000811.dwg

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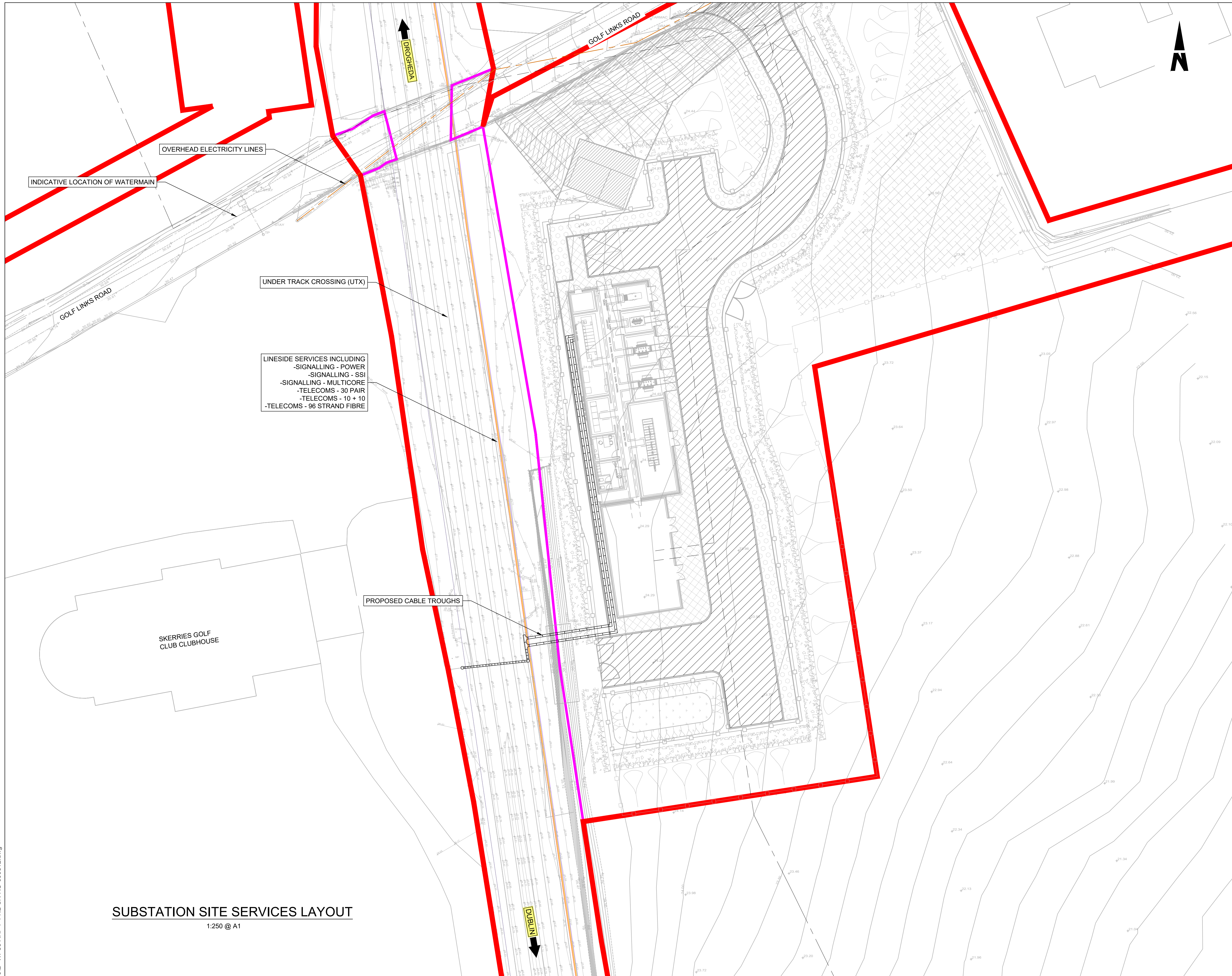


Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale SHOWN @ A1 SHOWN @ A3	Drawn SF	Checked EJ	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

Project Title DART+ COASTAL NORTH				
Drawing Title SOUTH SKERRIES SUBSTATION SECTIONS AND ELEVATIONS				
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000811	Sheet Number 01 of 01	Status S3	Rev P01	

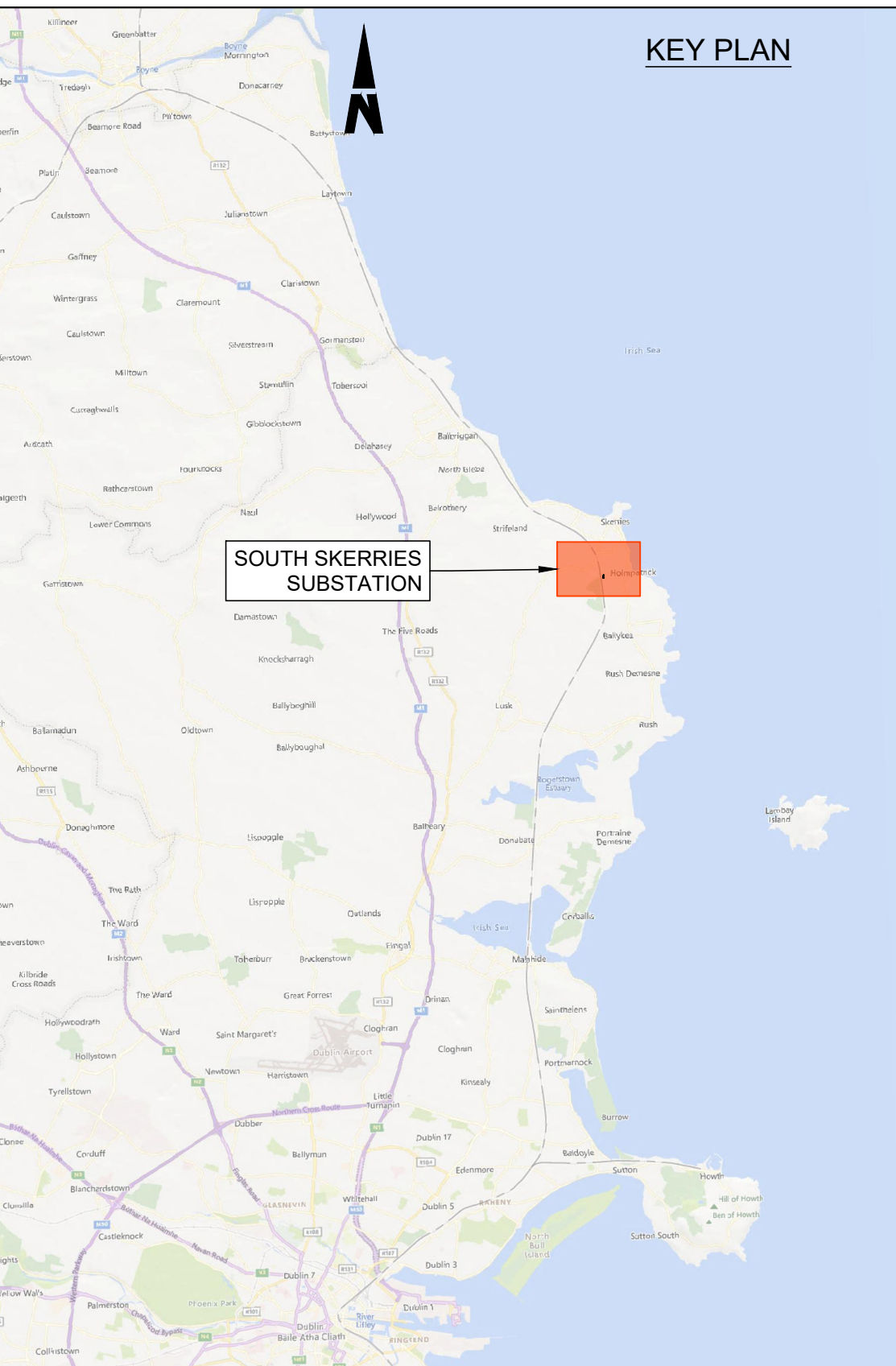
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 - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS ARE IN METERS, UNLESS OTHERWISE STATED.
 - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS OTHERWISE STATED.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.

LEGEND

	TEL - 10 + 10 (MOSTLY REDUNDANT)
	TEL - 30 PAIR
	SIG - MULTICORE
	SIG - SSI
	SIG - POWER
	FIBRE (96 STRAND, APPROX. 10 OCCUPIED BY IÉ, OTHERS THIRD PARTY)
	THIRD PARTY FIBRE
	WATERMAIN
	OVERHEAD ELECTRICITY LINES
	DEVELOPMENT BOUNDARY
	PROPOSED ESB 38 KV OVERHEAD CABLES
	PROPOSED ESB 38 KV BURIED CABLES



SUBSTATION SITE SERVICES LAYOUT
1:250 @ A1

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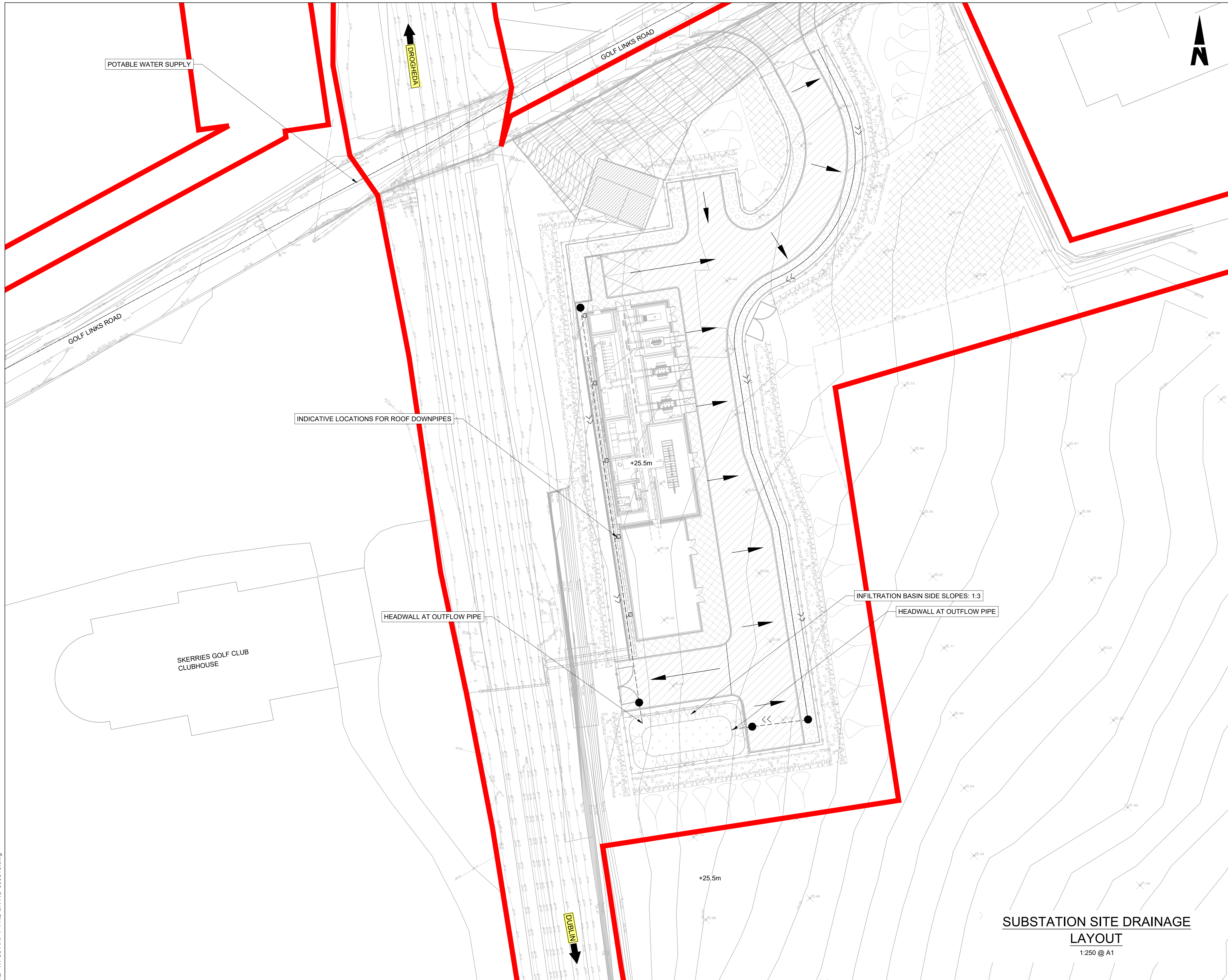


Rev	Date	Drn	Chk'd	App'd	Description
P01	18/10/2023	SF	EJ	DB	PLANNING ISSUE

Client		Engineering Designer		
Date	Scale	Drawn	Checked	Approved
01/06/2023	1:250 @ A1 1:500 @ A3	SF	EJ	DB
Project Code	Originator Code	QMS Code		
D+WP56	ARP	280275-00		

Project Title			
DART+ COASTAL NORTH			
Drawing Title			
SOUTH SKERRIES SUBSTATION SERVICES LAYOUT			
Drawing File Name	Sheet Number	Status	Rev
D+WP56-ARP-P4-NL-DR-RO-000812	01 of 01	S3	P02

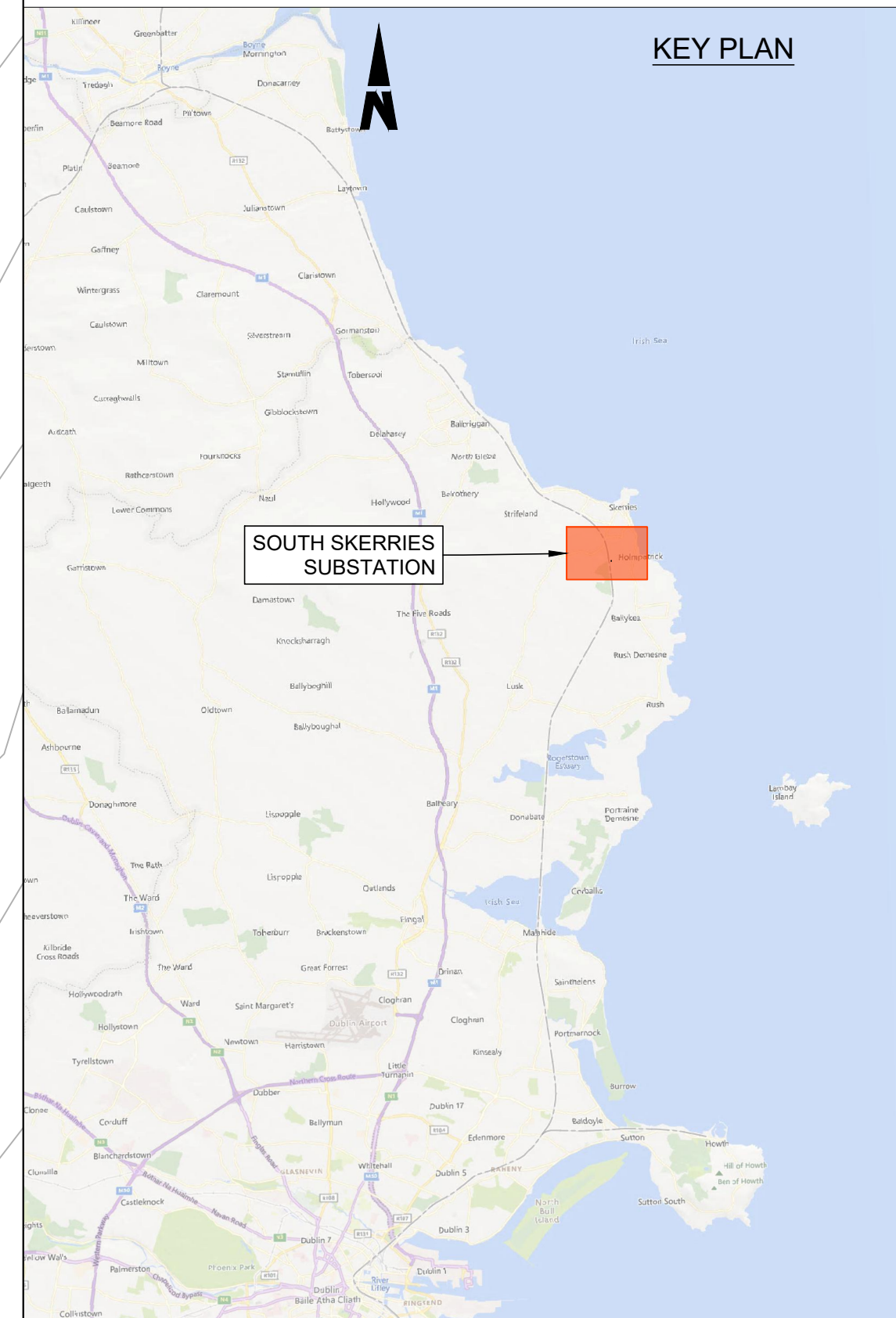
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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 - ALL DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
 - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
 - FINAL DIMENSIONS AND LEVELS TO BE DEVELOPED IN DETAILED DESIGN. DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS OTHERWISE STATED.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.

- LEGEND**
- INSPECTION CHAMBER
 - POTABLE WATER
 - GULLY TAILS
 - SURFACE WATER GULLY, THESE ARE SHOWN INDICATIVELY, SPACING TBC
 - SURFACE WATER FLOW PATHS (GENERAL FALLS OF THE ROAD TO BE 2.5%)
 - >> PROPOSED FILTER TRENCH WITH FLOW DIRECTION. PLEASE REFER TO D+WP56-ARP-P3-NL-DR-CX-000592 FOR DETAILS
 - >> PROPOSED 225mm DIAMETER PVC PIPE WITH FLOW DIRECTION
 - DEVELOPMENT BOUNDARY

- DESIGN INFORMATION**
- DESIGN RETURN PERIOD: 1:100yr
 - CLIMATE CHANGE UPLIFT: 20%



SUBSTATION SITE DRAINAGE LAYOUT
1:250 @ A1

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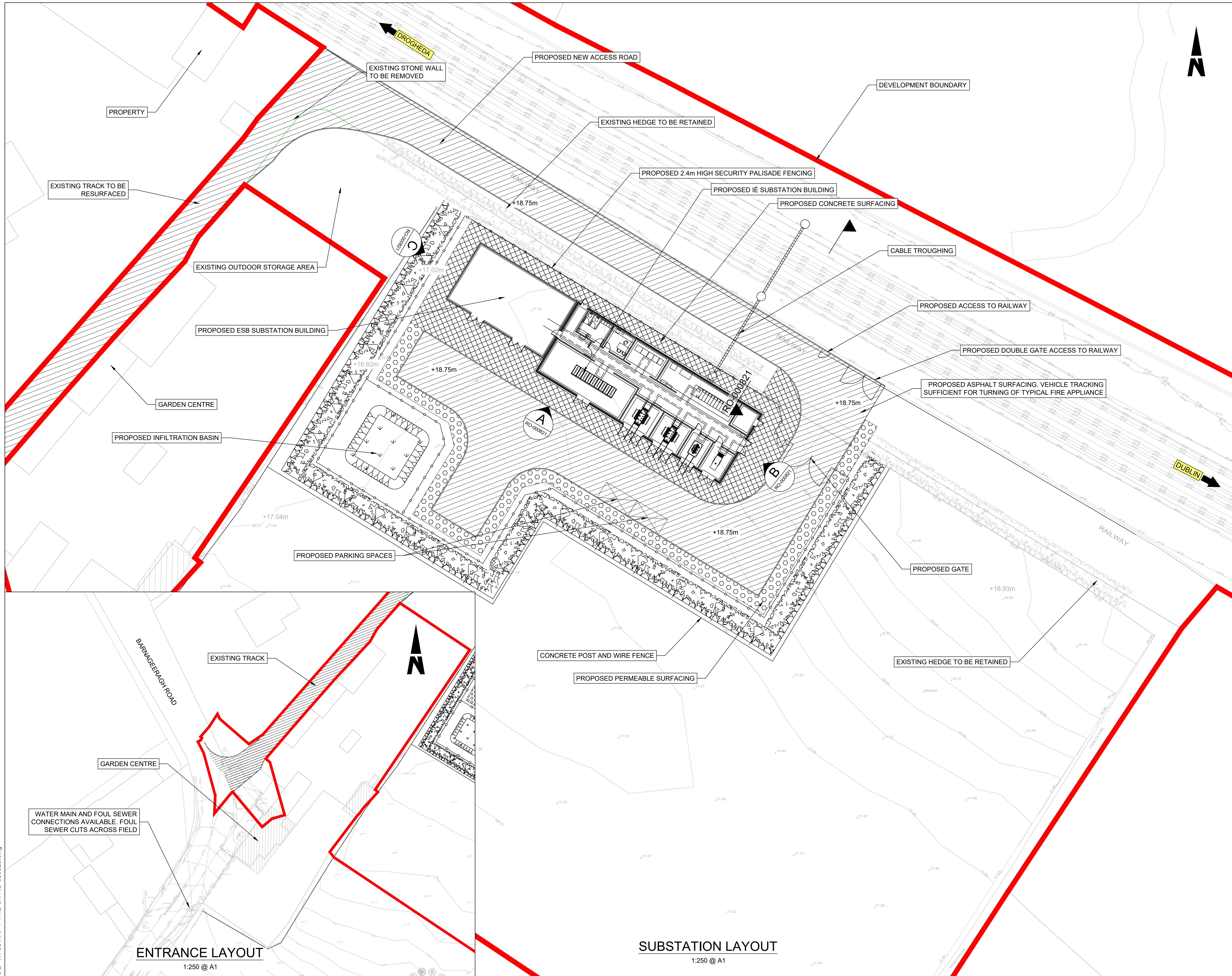
Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale 1:250 @ A1 1:500 @ A3	Drawn SF	Checked EJ	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

Project Title DART+ COASTAL NORTH			
Drawing Title SOUTH SKERRIES SUBSTATION DRAINAGE PLAN			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000813	Sheet Number 01 of 01	Status S3	Rev P01

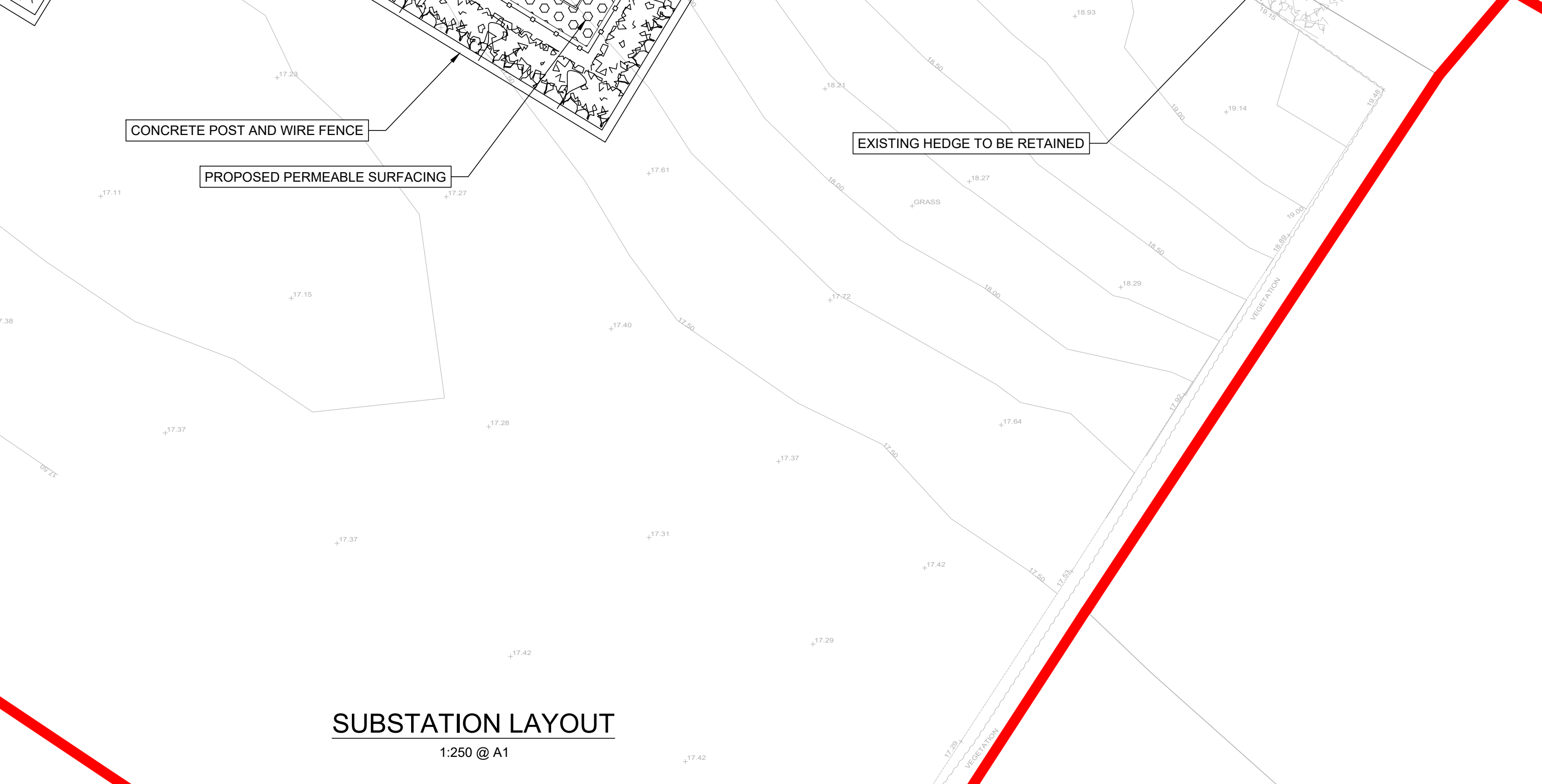
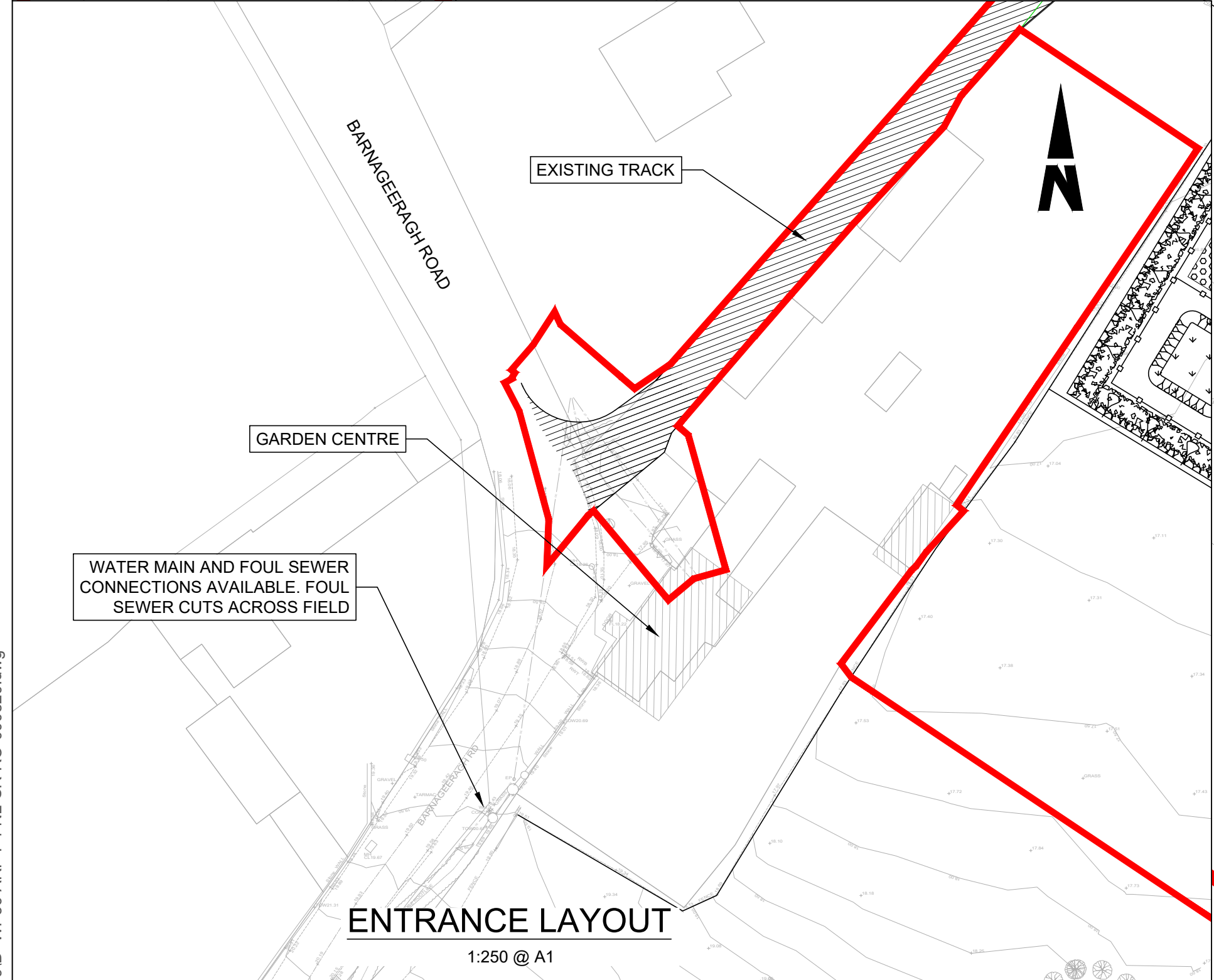
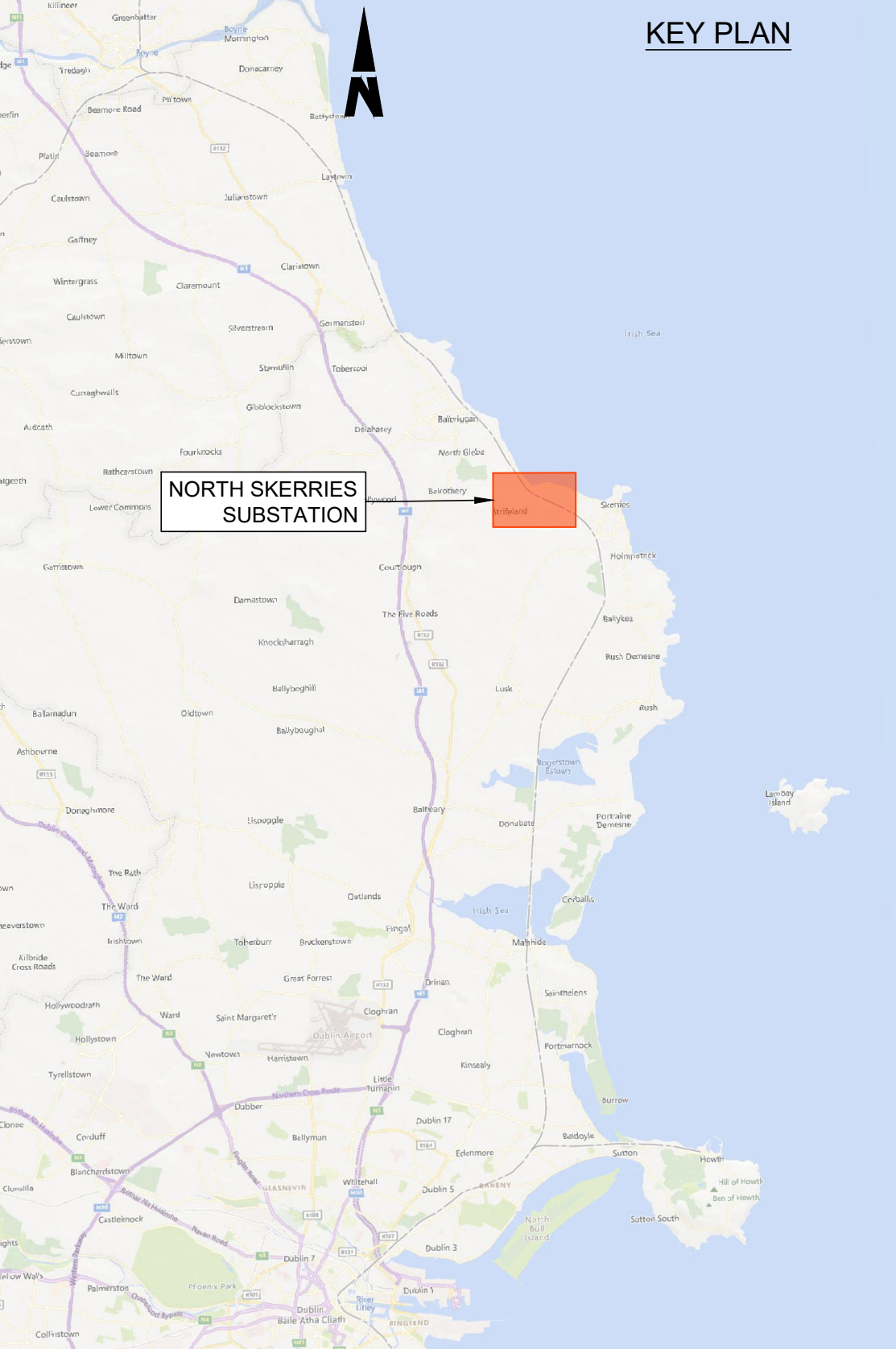
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 - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
 - ALL CHAINAGES ARE IN KILOMETERS, (36+250 = 36.25km).
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS NOTED OTHERWISE.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.

- LEGEND**
- EXISTING FENCING
 - PROPOSED CONCRETE POST AND WIRE FENCING
 - PROPOSED SECURITY PALISADE FENCING
 - PROPOSED ASPHALT SURFACING
 - PROPOSED CONCRETE SURFACING
 - PROPOSED GRAVEL / OTHER POROUS SURFACING
 - PROPOSED WILDFLOWER PLANTING
 - PROPOSED LANDSCAPING
 - AREA OF VEGETATION TO BE REMOVED
 - DEVELOPMENT BOUNDARY
 - PROPOSED ELEMENTS
 - EXISTING ELEMENTS
 - ELEMENTS TO BE REMOVED
 - PROPOSED LEVELS
 - EXISTING LEVELS



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Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 01/06/2023 | Scale: SHOWN @ A1, SHOWN @ A3

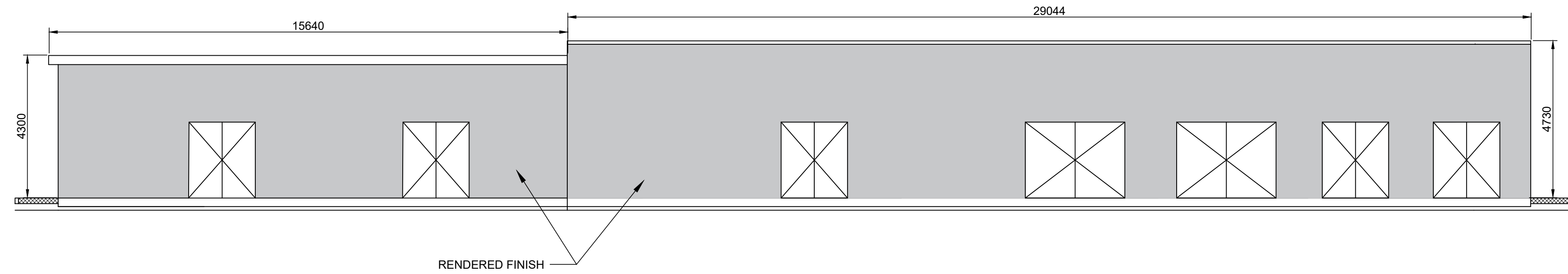
Drawn: SF | Checked: EJ | Approved: DB

Project Code: D+WP56 | Originator Code: ARP | QMS Code: 280275-00

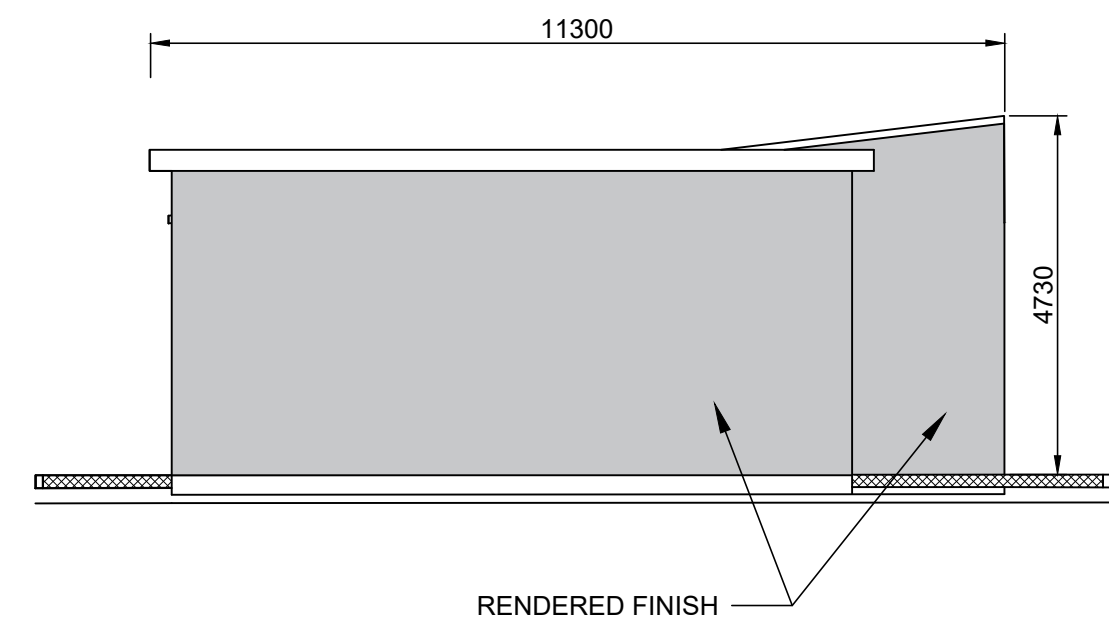
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Drawing Title: NORTH SKERRIES SUBSTATION SITE PLAN			
Drawing File Name: D+WP56-ARP-P4-NL-DR-RO-000820	Sheet Number: 01 of 01	Status: S3	Rev: P01

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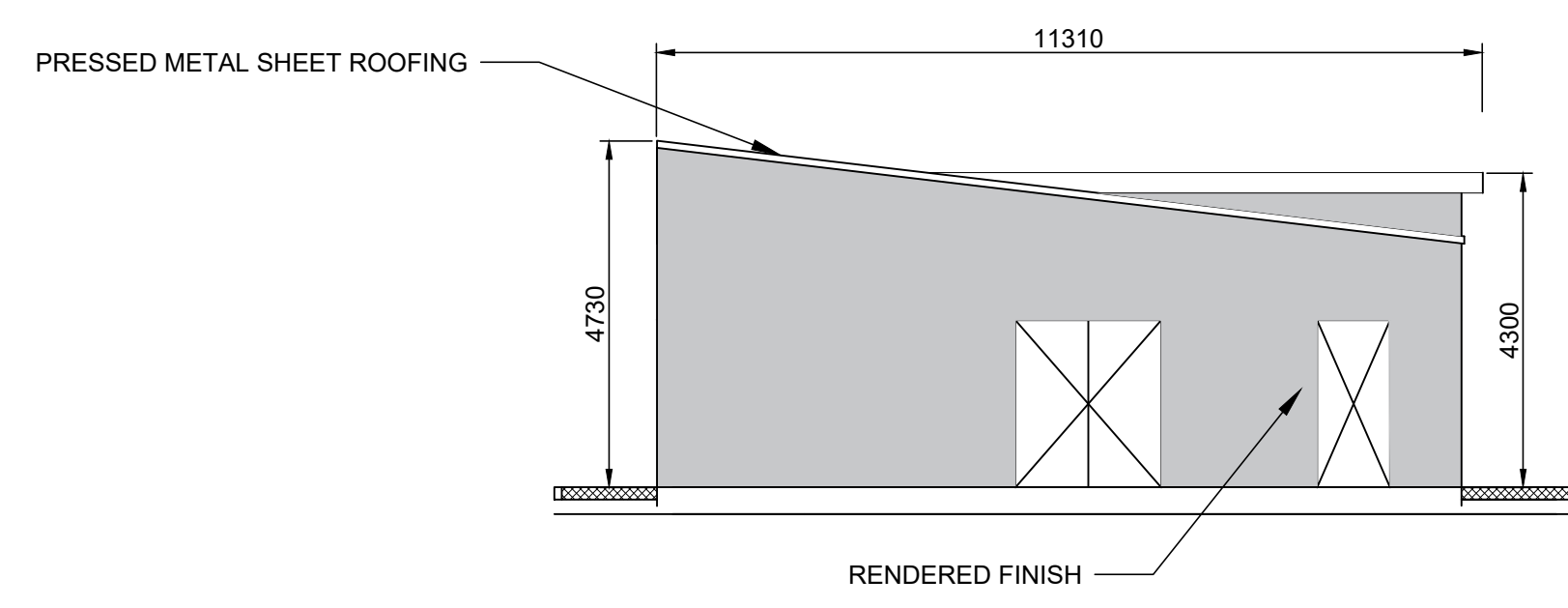
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ELEVATION A
1:100 @ A1
1:200 @ A3



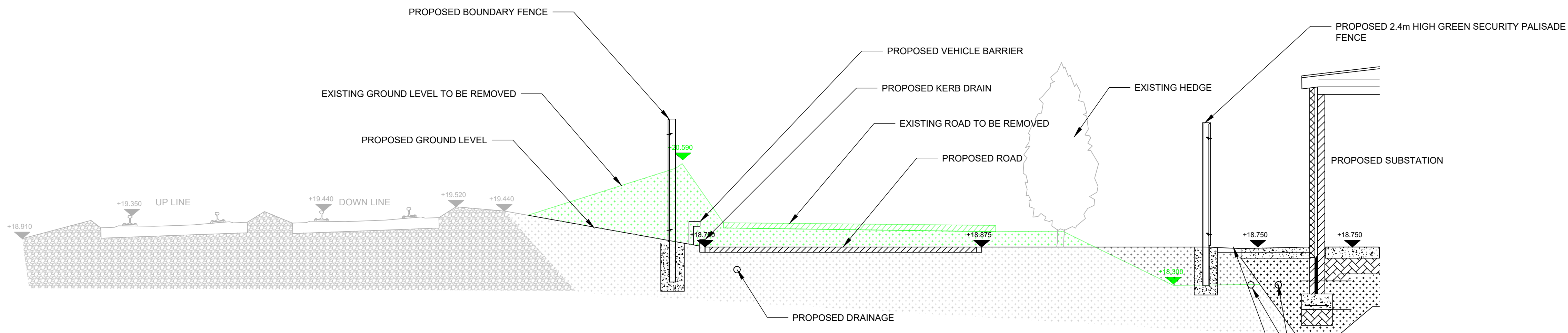
ELEVATION B
1:100 @ A1
1:200 @ A3



ELEVATION C
1:100 @ A1
1:200 @ A3

- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
 - ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE METERS ABOVE ORDNANCE DATUM (mOD) UNLESS NOTED OTHERWISE.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.
 - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS
 - EXISTING ELEMENTS TO BE REMOVED



CROSS-SECTION
1:50 @ A1
1:100 @ A3

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Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

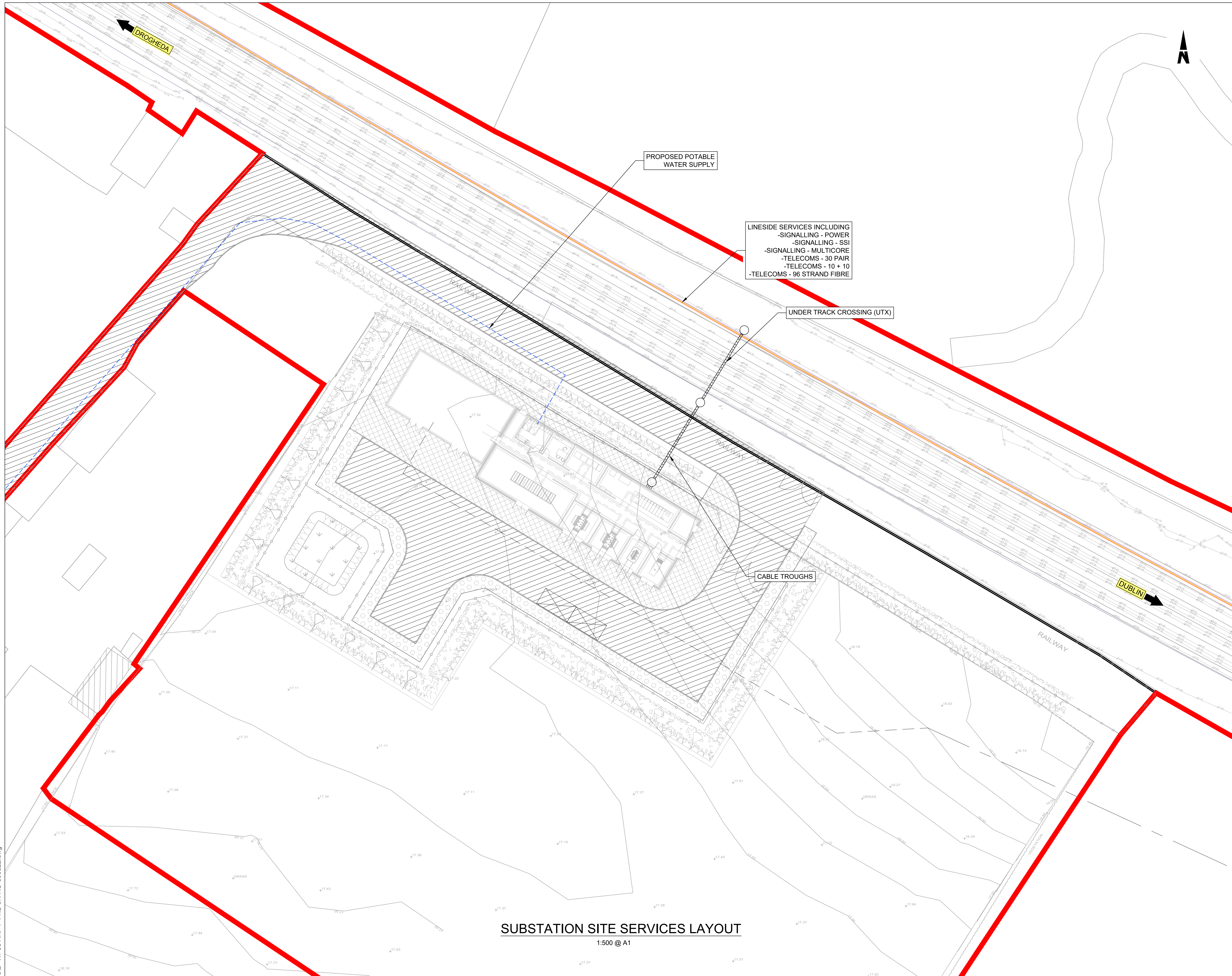
Date: 01/06/2023 | Scale: SHOWN @ A1, SHOWN @ A3

Project Code: D+WP56 | Originator Code: ARP | QMS Code: 280275-00

Drawn: SF | Checked: EJ | Approved: DB

Project Title: DART+ COASTAL NORTH			
Drawing Title: NORTH SKERRIES SUBSTATION SECTION AND ELEVATIONS			
Drawing File Name: D+WP56-ARP-P4-NL-DR-RO-000821	Sheet Number: 01 of 01	Status: S3	Rev: P01

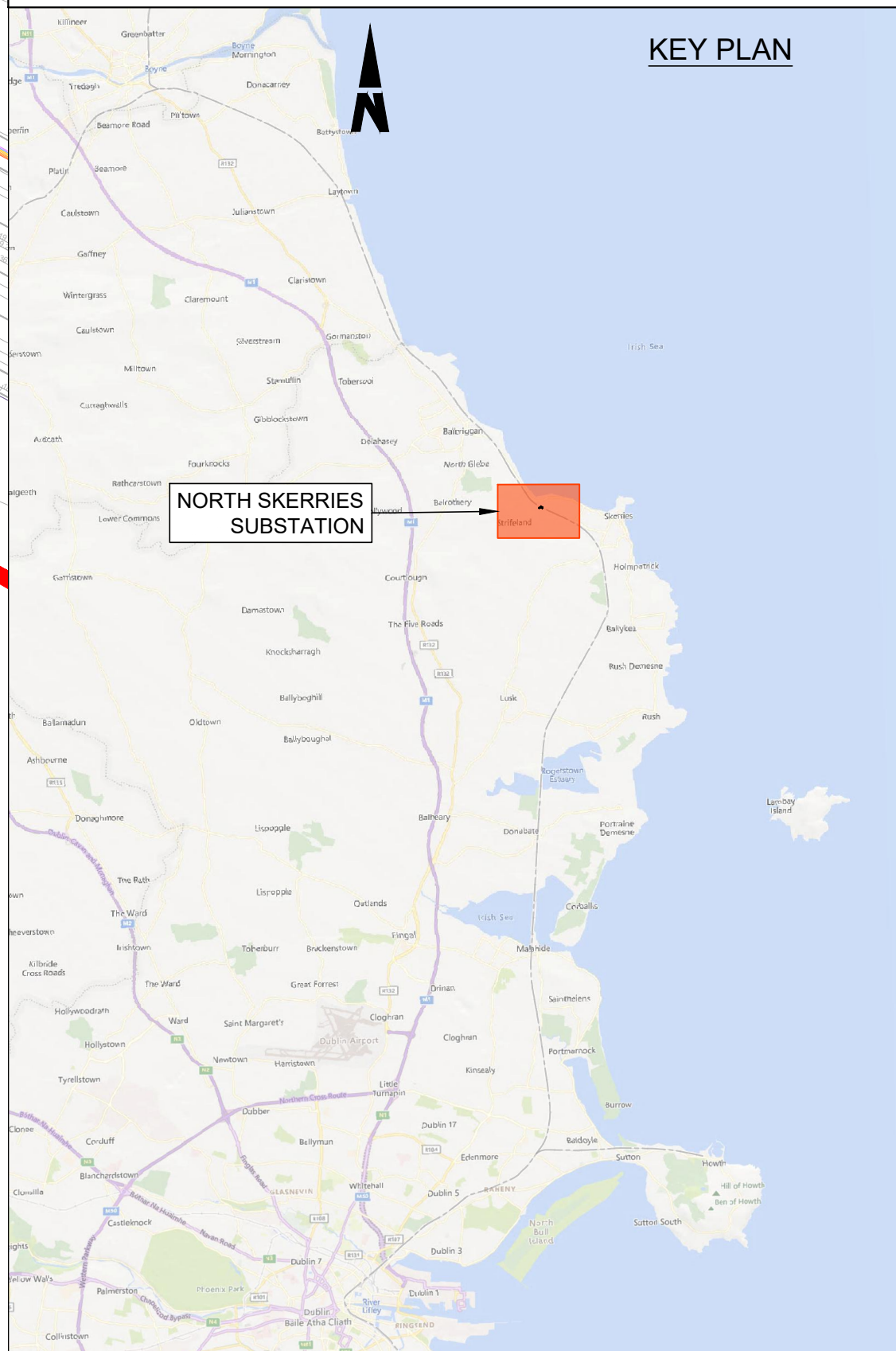
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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 - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION. ALL DIMENSIONS ARE IN METERS, UNLESS OTHERWISE STATED.
 - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS OTHERWISE STATED.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.
 - FOUL SEWER IS INDICATED ON THE DRAINAGE DRAWING.

LEGEND

	TEL - 10 + 10 (MOSTLY REDUNDANT)
	TEL - 30 PAIR
	SIG - MULTICORE
	SIG - SSI
	SIG - POWER
	FIBRE (96 STRAND, APPROX. 10 OCCUPIED BY IÉ, OTHERS THIRD PARTY)
	THIRD PARTY FIBRE
	POTABLE WATER SUPPLY
	OVERHEAD ELECTRICITY
	DEVELOPMENT BOUNDARY
	PROPOSED ESB 38kV OVERHEAD CABLES
	PROPOSED ESB 38kV BURIED CABLES



SUBSTATION SITE SERVICES LAYOUT
1:500 @ A1

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Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale 1:500 @ A1 1:1000 @ A3	Drawn SF	Checked EJ	Approved DB
Project Code D+WP56	Originator Code ARP	QMS Code 280275-00		

Project Title DART+ COASTAL NORTH			
Drawing Title NORTH SKERRIES SUBSTATION SERVICES LAYOUT			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000822	Sheet Number 01 of 01	Status S3	Rev P01

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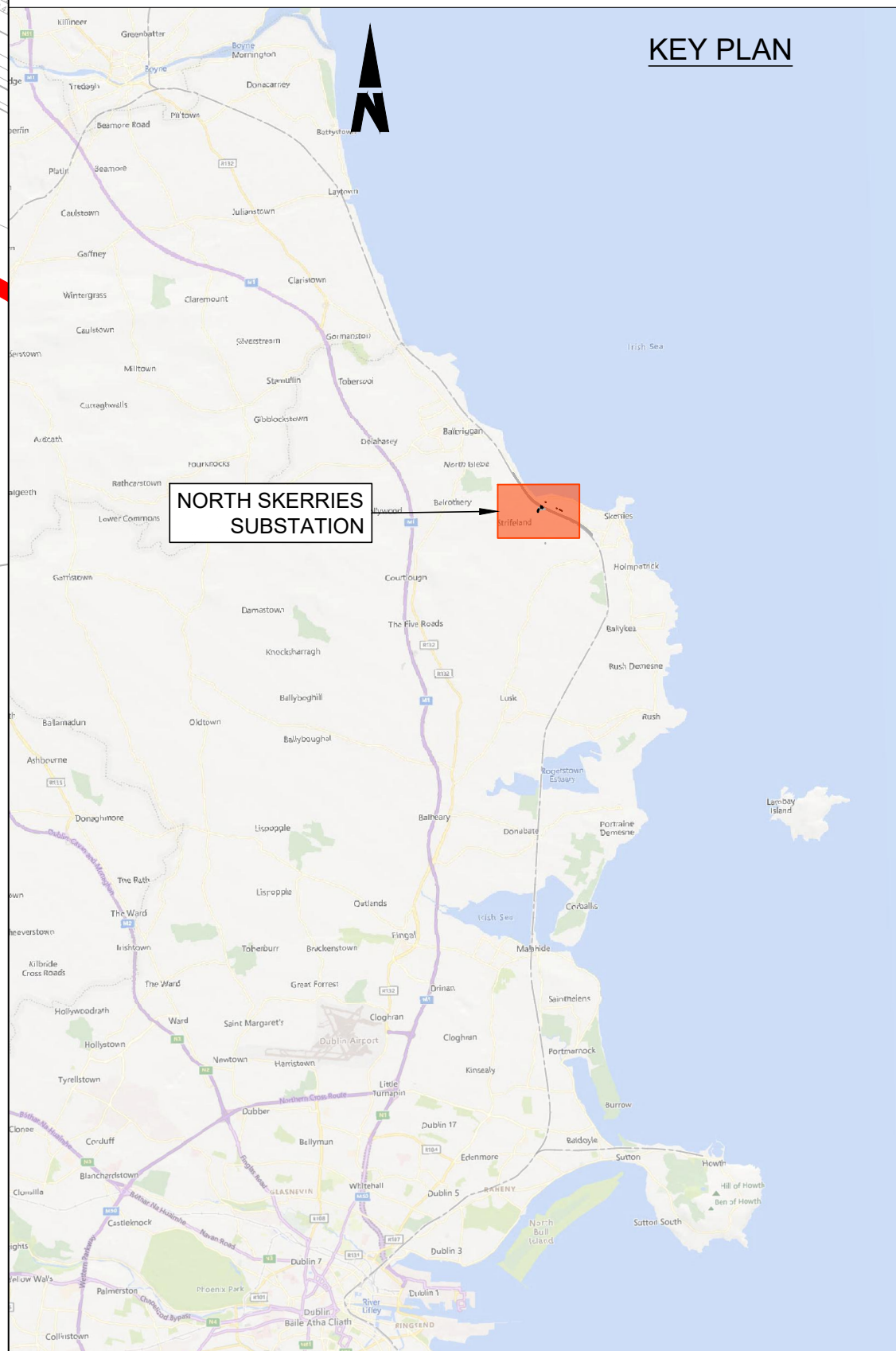
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- NOTES**
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 - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS OTHERWISE STATED.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.

- LEGEND**
- INSPECTION CHAMBER
 - POTABLE WATER
 - GULLY TAILS
 - SURFACE WATER GULLY, THESE ARE SHOWN INDICATIVELY, SPACING TBC
 - SURFACE WATER FLOW PATHS (GENERAL FALLS OF THE ROAD TO BE 2.5%)
 - PROPOSED FILTER TRENCH WITH FLOW DIRECTION. PLEASE REFER TO D+WP56-ARP-P3-NL-DR-CX-000592 FOR DETAILS
 - PROPOSED 225mm DIAMETER PVC PIPE WITH FLOW DIRECTION
 - FOUL MANHOLE
 - FOUL SEWER WITH FLOW DIRECTION
 - KERB DRAIN
 - DEVELOPMENT BOUNDARY

- DESIGN INFORMATION**
- DESIGN RETURN PERIOD: 1:100yr
 - CLIMATE CHANGE UPLIFT: 20%



SUBSTATION SITE DRAINAGE LAYOUT
1:500 @ A1

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Rev	Date	Drn	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 01/06/2023 | Scale: SHOWN @ A1, SHOWN @ A3

Project Code: D+WP56 | Originator Code: ARP

QMS Code: 280275-00

Drawn: SF | Checked: EJ | Approved: DB

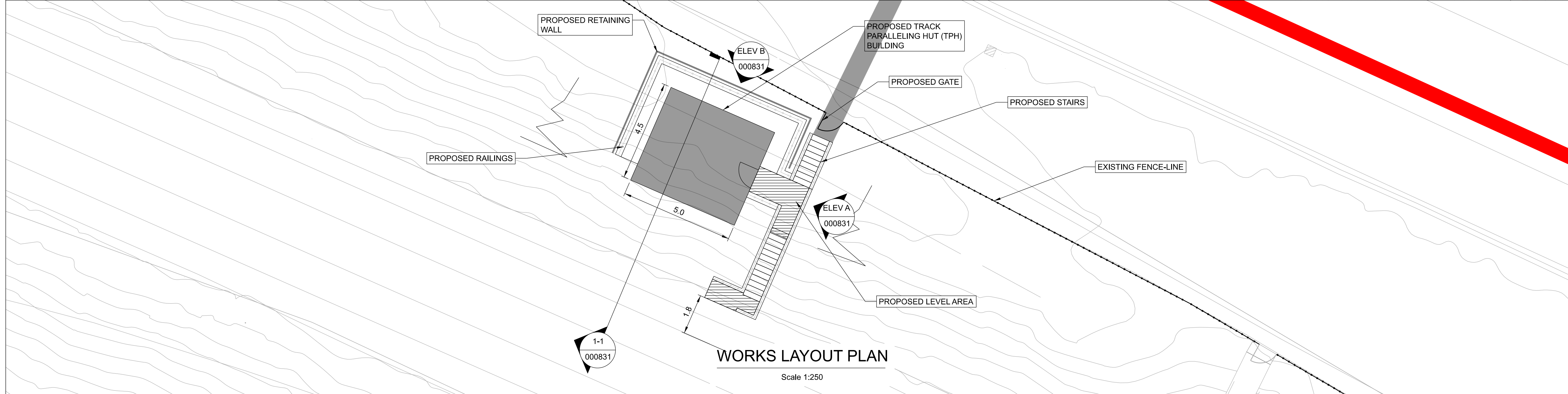
Project Title: DART+ COASTAL NORTH			
Drawing Title: NORTH SKERRIES SUBSTATION DRAINAGE PLAN			
Drawing File Name: D+WP56-ARP-P4-NL-DR-RO-000823	Sheet Number: 01 of 01	Status: S3	Rev: P01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



SITE LOCATION PLAN

Scale 1:500

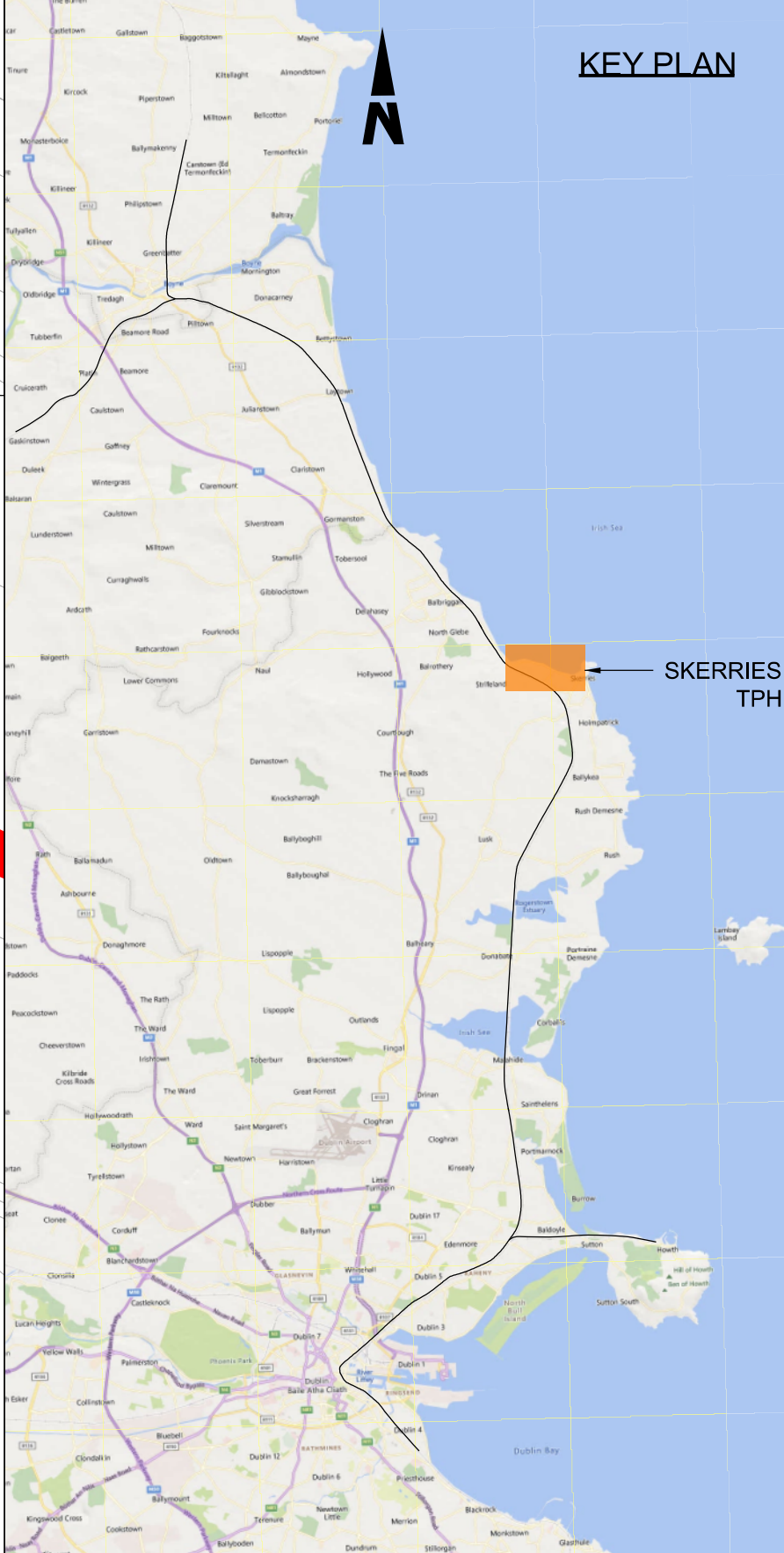


WORKS LAYOUT PLAN

Scale 1:250

- NOTES**
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 - ALL DIMENSIONS ARE IN METERS, UNLESS OTHERWISE STATED.
 - ALL CHAINAGES ARE IN KILOMETERS.
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (MOD) UNLESS OTHERWISE STATED.
 - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.
 - REFER TO BOOK 3 LINEAR WORKS PLANS FOR DETAILS OF OHLE AND LINESIDE CIVILS INFRASTRUCTURE SUCH AS TROUGHING AND FENCING.

- LEGEND**
- DEVELOPMENT BOUNDARY
 - EXISTING ELEMENTS
 - PROPOSED ELEMENTS



KEY PLAN

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Rev	Date	Drn	Chk'd	App'd	Description
P01	28/11/2023	SF	EJ	DB	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 01/06/2023 Scale: AS SHOWN @ A1 @ A3

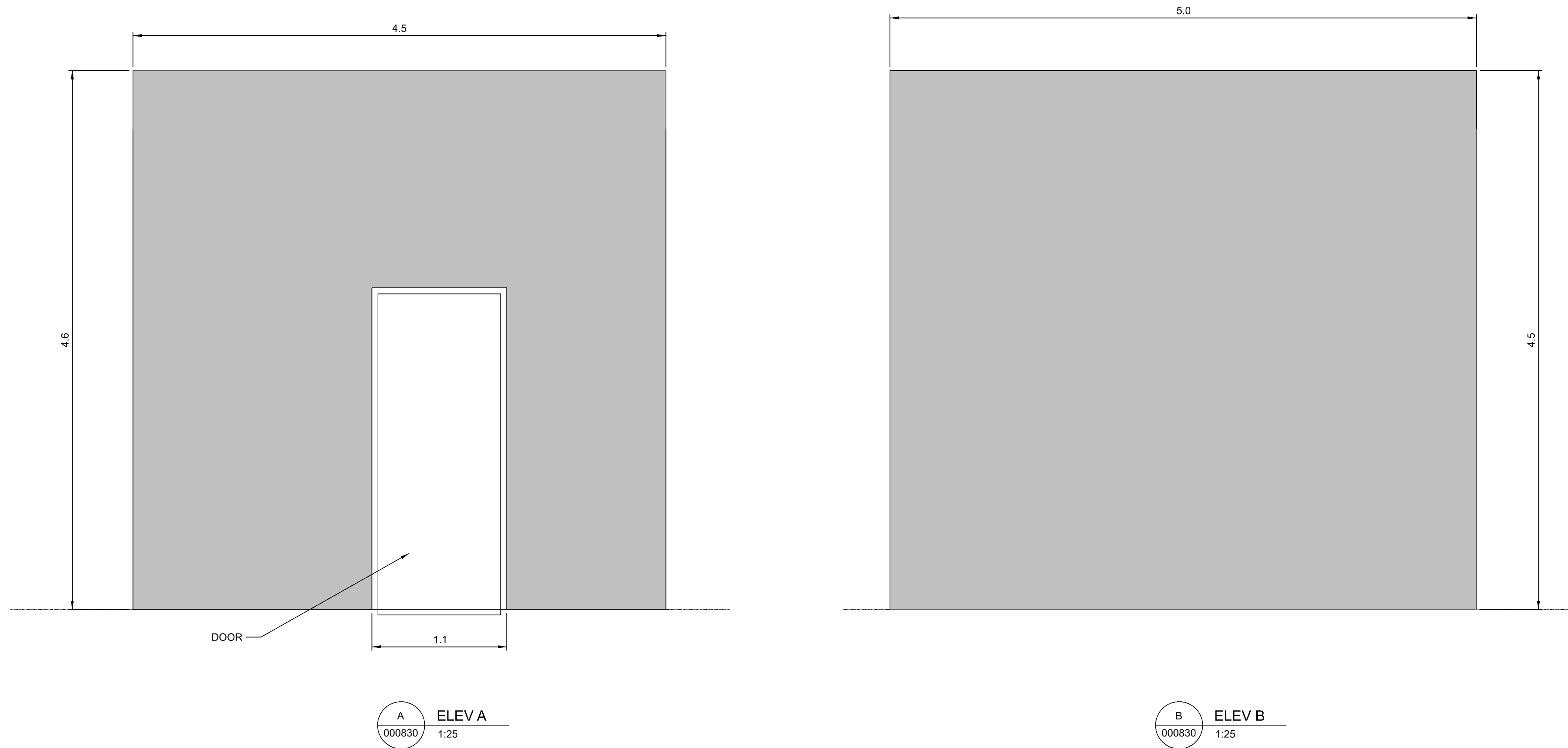
Project Code: D+WP56 Originator Code: ARUP

Drawn: SF Checked: EJ Approved: DB

QMS Code: 279933-00

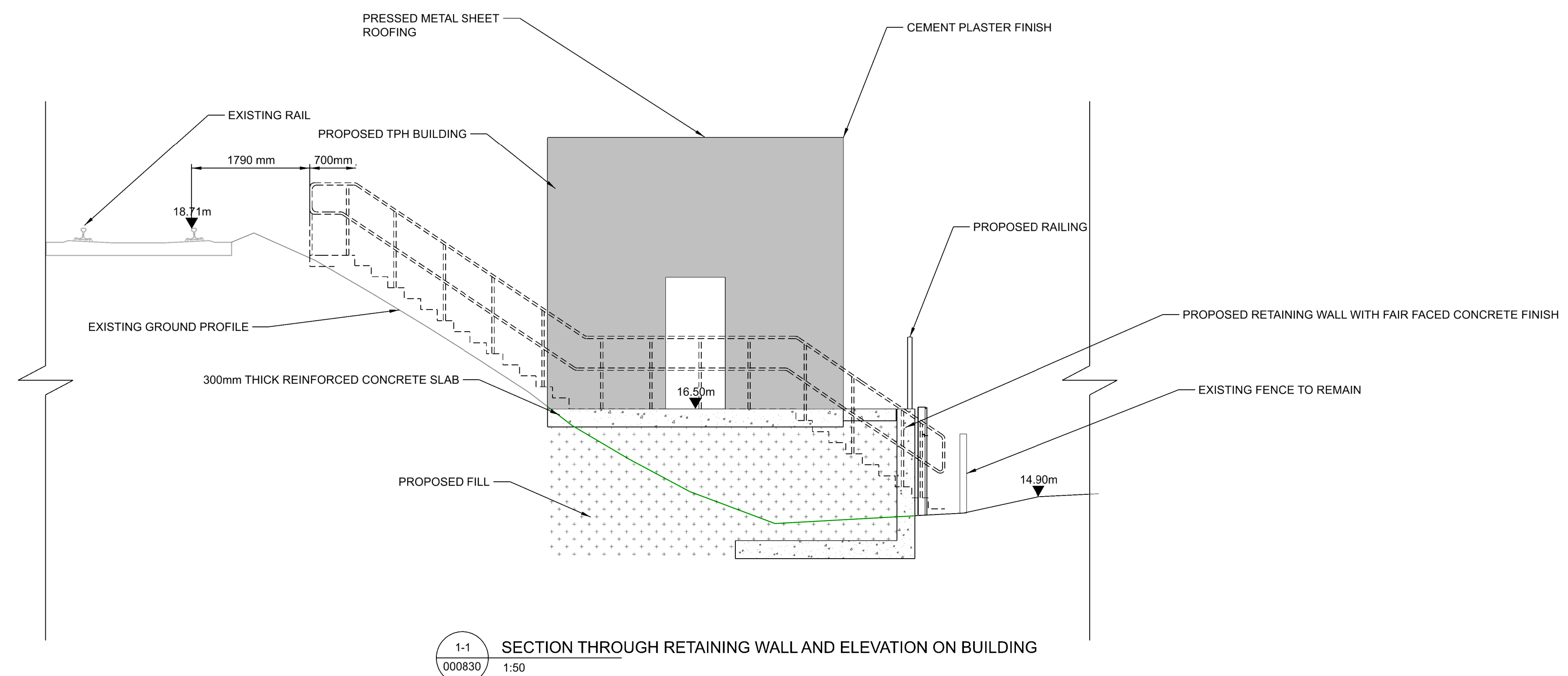
Project Title	DART+ COASTAL NORTH		
Drawing Title	PROPOSED TRACK PARALLELING HUT (TPH) SKERRIES SITE LAYOUT		
Drawing File Name	Sheet Number	Status	Rev
D+WP56-ARP-P4-NL-DR-RO-000830	1 of 1	S3	P01

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 - CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSION OR ERROR PRIOR TO INSTALLATION.
 - DRAWING TO BE PRINTED IN COLOUR.
 - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (MOD) UNLESS OTHERWISE STATED.

- LEGEND**
- EXISTING ELEMENTS
 - PROPOSED ELEMENTS
 - ELEMENTS TO BE REMOVED



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Rev	Date	Drm	Chk'd	App'd	Description
P01	28/11/2023	SF	EJ	DB	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ARUP		
Date 01/06/2023	Scale AS SHOWN @ A1 @ A3	Drawn SF	Checked EJ	Approved DB
Project Code D+WP56	Originator Code ARUP	QMS Code 279933-00		

Project Title DART+ COASTAL NORTH			
Drawing Title TRACK PARALLELING HUT (TPH) SKERRIES SECTION AND TYPICAL ELEVATIONS			
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000831	Sheet Number 1 of 1	Status S3	Rev P01

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