

.....

**SPECIFIC LOCATIONS**

**05 Donabate**

.....

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**BRIDGE PARAPET  
MODIFICATIONS**

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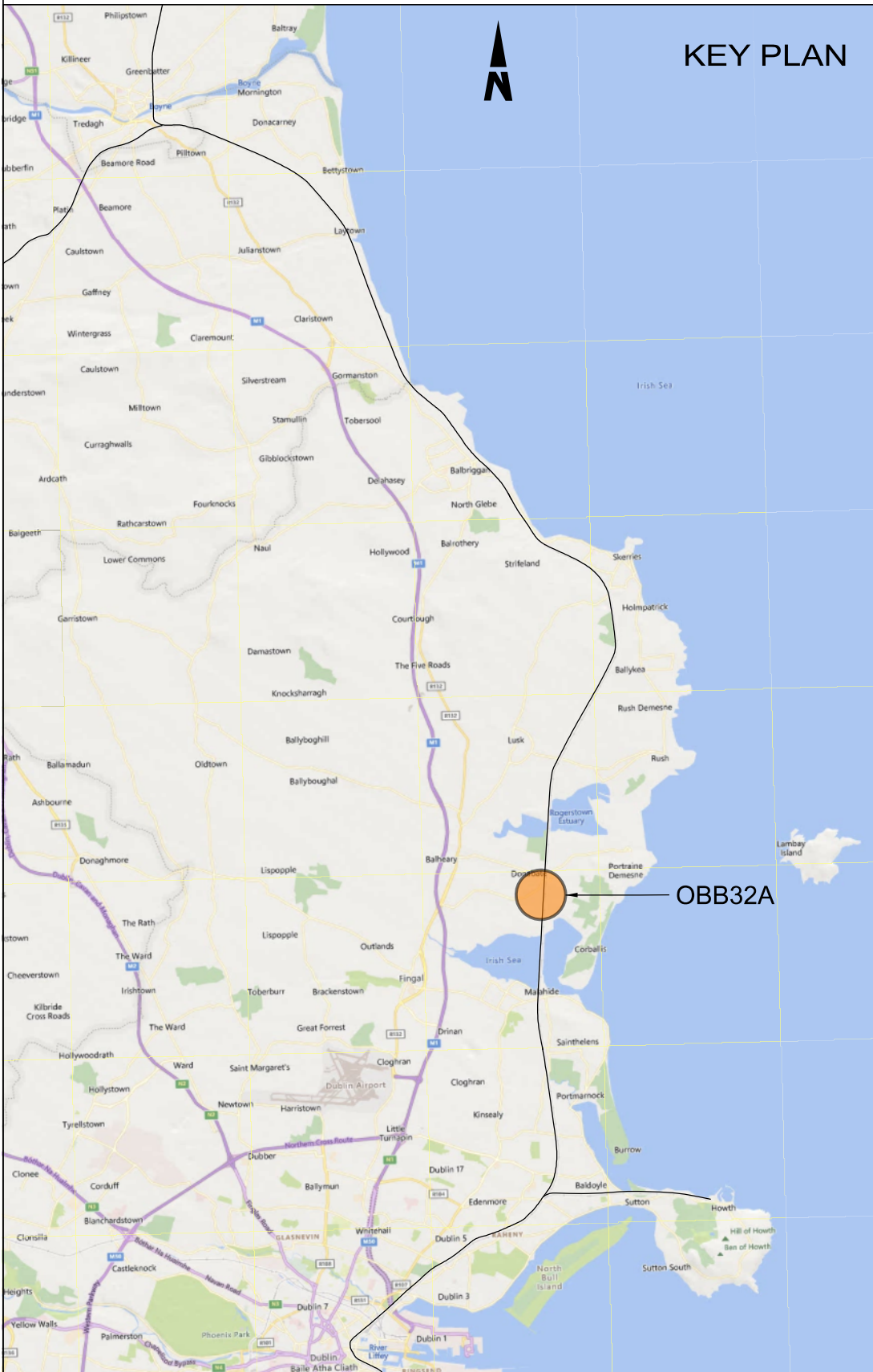


NOTES

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

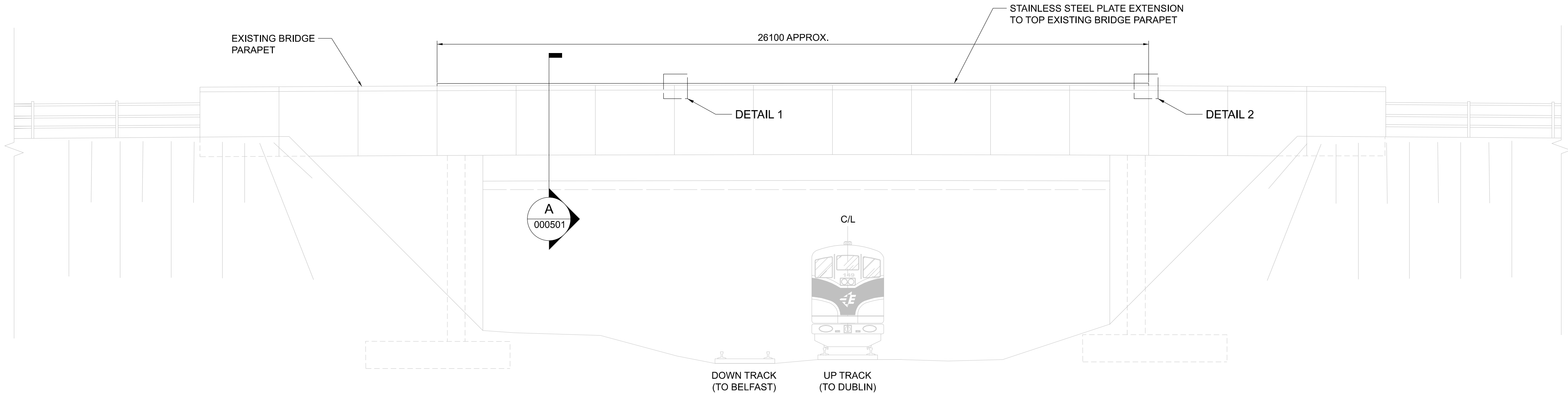


Date	01/06/23	Scale	1:1000 @ A1 @ A3	Drawn	AC	Checked	CG	Approved	DB
Project Code	D+WP56	Originator Code	ARP	QMS Code	280275-00				

Project Title		DART+ COASTAL NORTH					
Drawing Title		OBB32A DONABATE RELIEF ROAD PARAPET MODIFICATIONS SITE LOCATION PLAN					
Drawing File Name	D+WP56-ARP-P4-NL-DR-RO-000500	Sheet Number	01 of 02	Status	S3	Rev	P01

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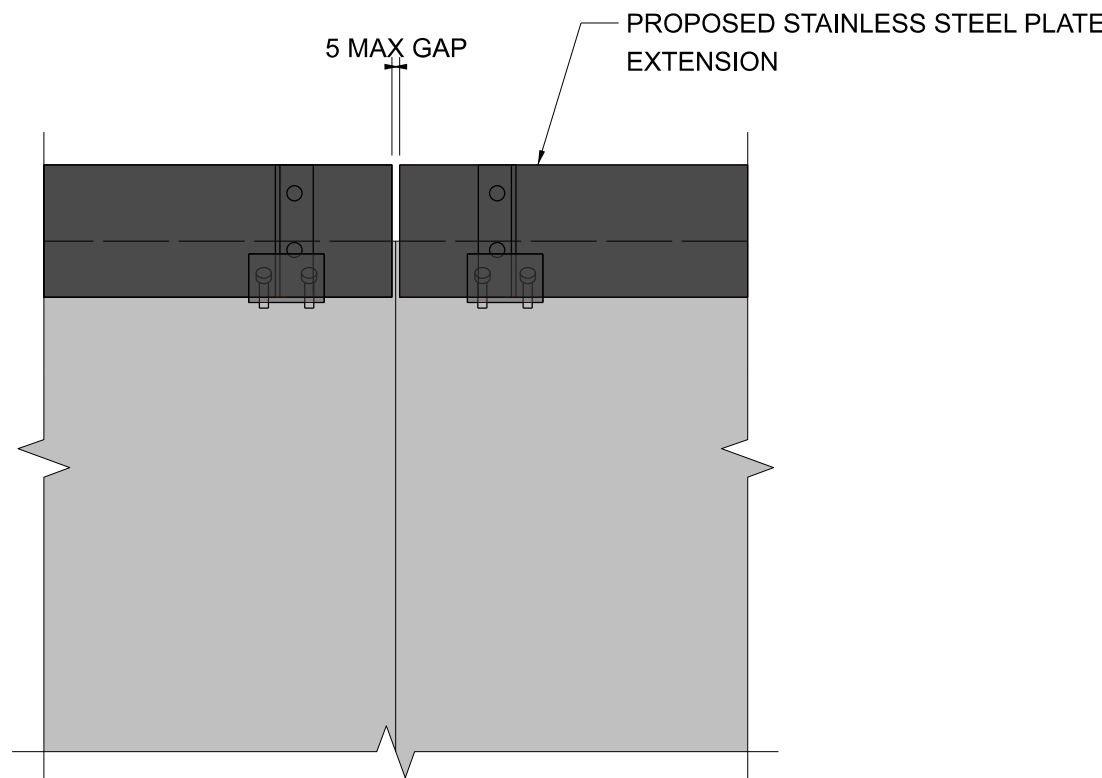




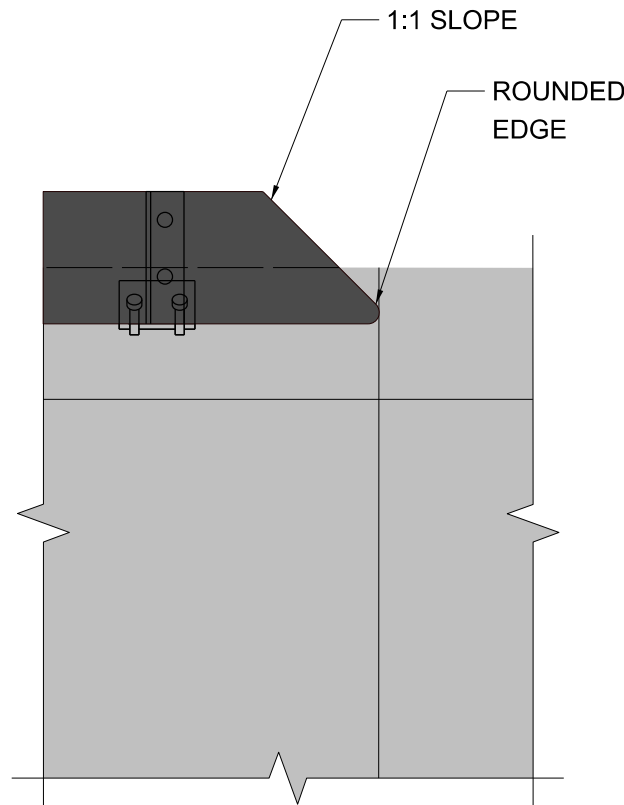
ELEVATION  
000501 1:100



SECTION A  
000501 1:10



DETAIL 1  
000501 1:10



DETAIL 2  
000501 1:10



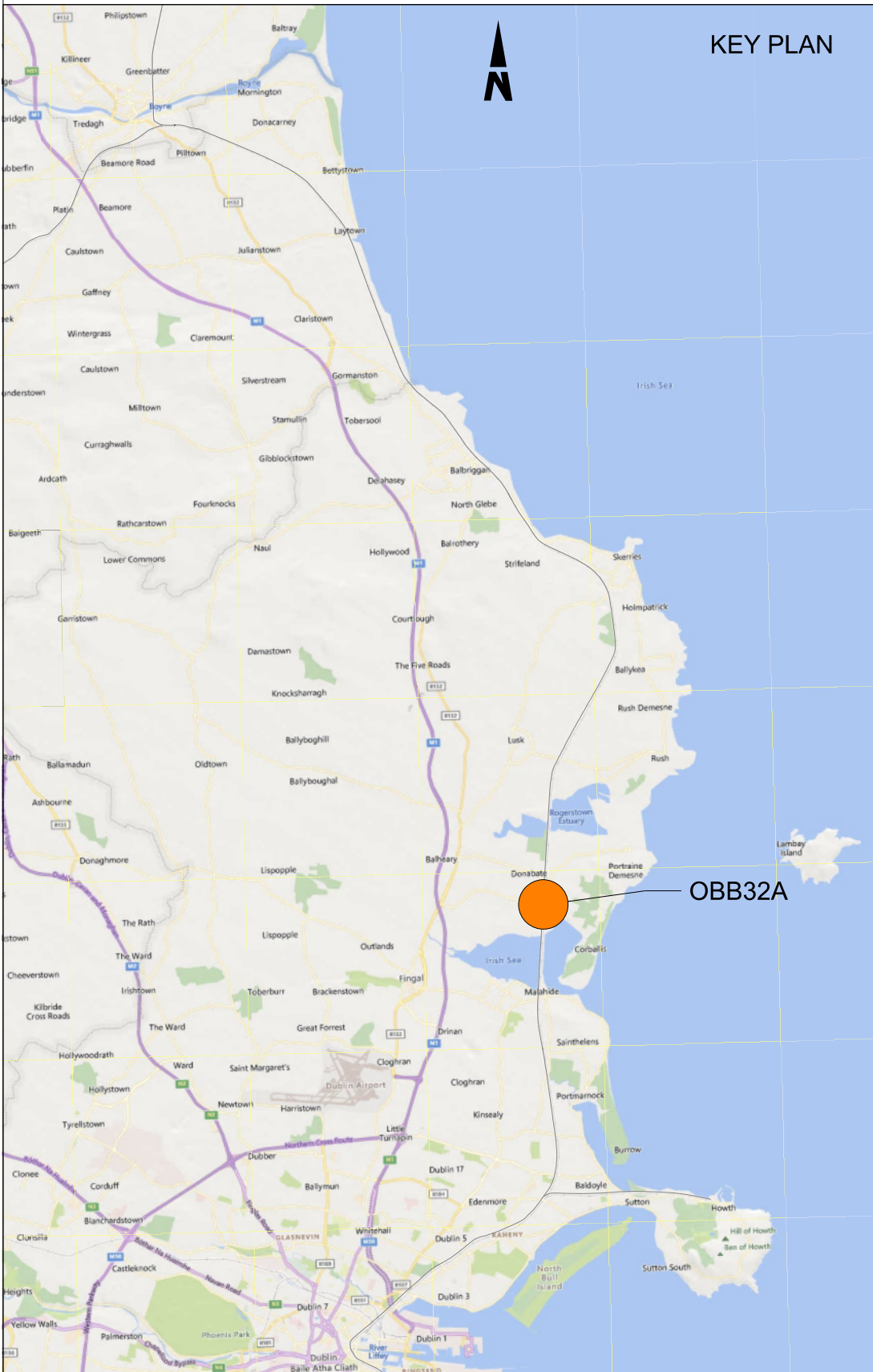
OBB32A PARAPET IMAGE  
000501

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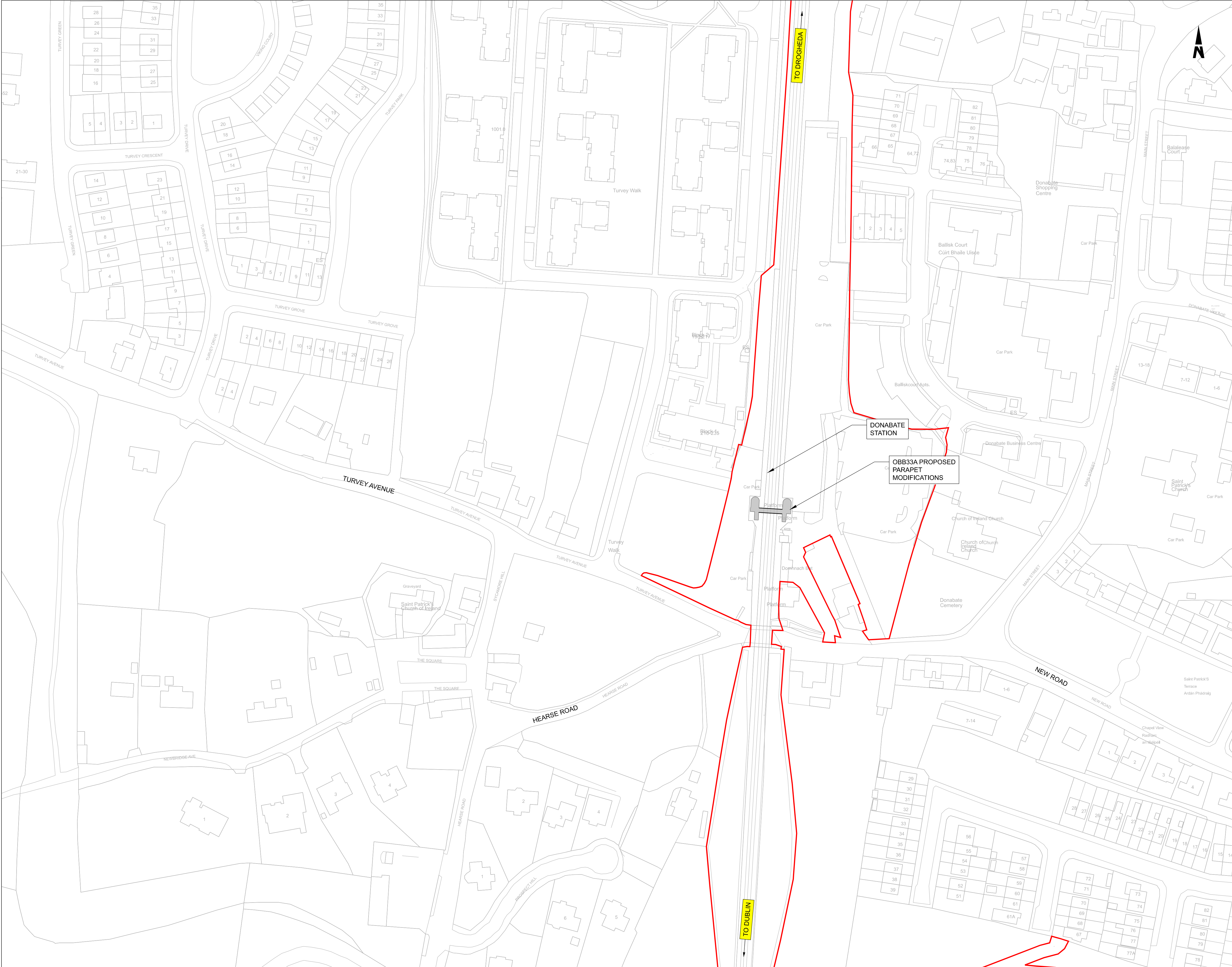
Rev	Date	Dm	Chk'd	App'd	Description
P01	13/10/2023	WC	CG	DB	PLANNING ISSUE

Client <b>Iarnród Éireann Irish Rail</b>		Engineering Designer <b>ARUP</b>		
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 <b>DART+ COASTAL NORTH</b>				
Drawing Title <b>OBB 32A DONABATE RELIEF ROAD PARAPET MODIFICATIONS GENERAL ARRANGEMENT</b>				
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000501	Sheet Number 01 of 01	Status S3	Rev P01	

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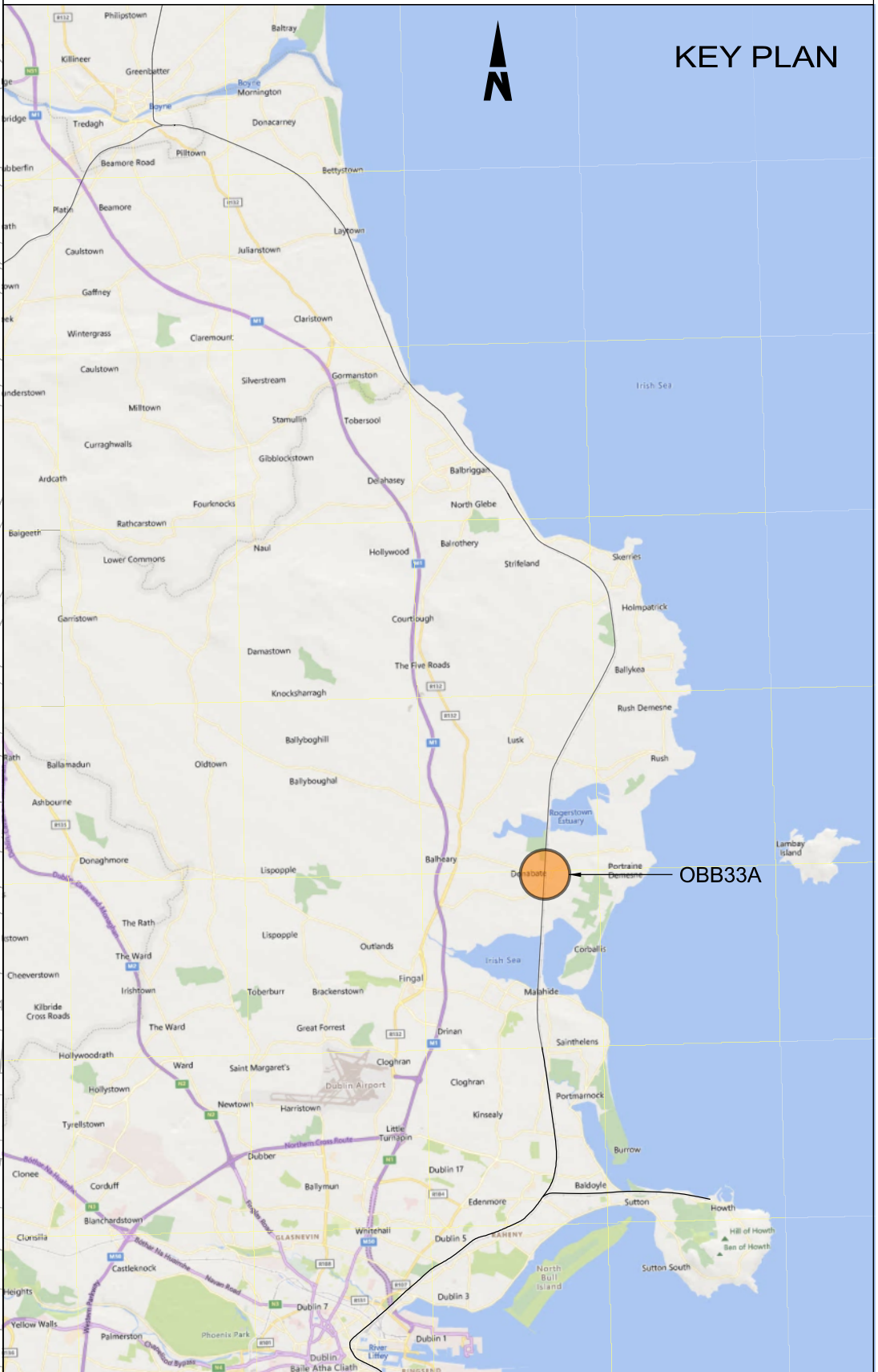


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LEGEND

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



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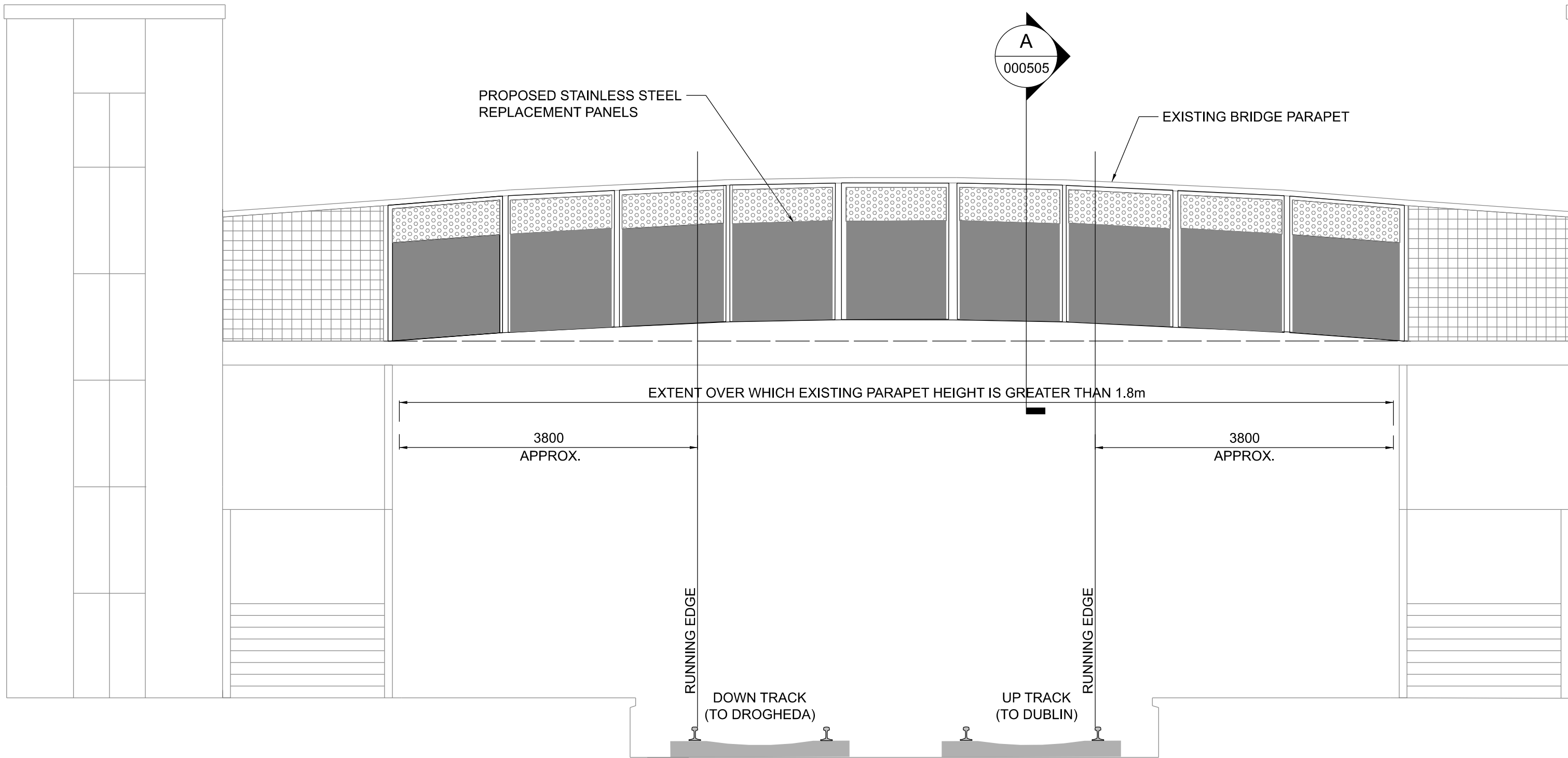
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P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

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

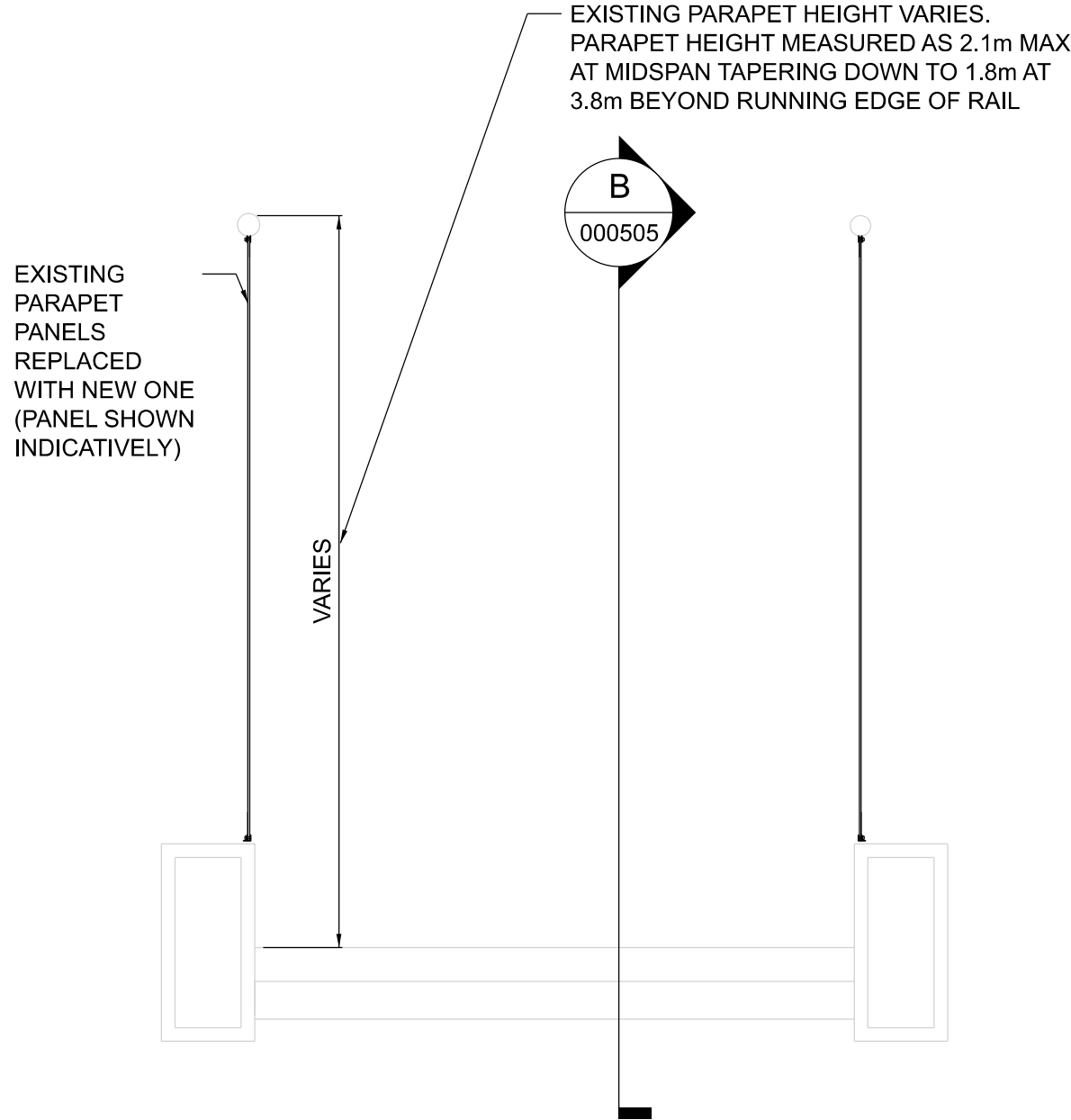
Project Title				DART+ COASTAL NORTH		
Drawing Title				OBB33A DONABATE PARAPET MODIFICATIONS SITE LOCATION PLAN		
Drawing File Name				Sheet Number	Status	Rev
D+WP56-ARP-P4-NL-DR-RO-000504				01 of 01	S3	P01

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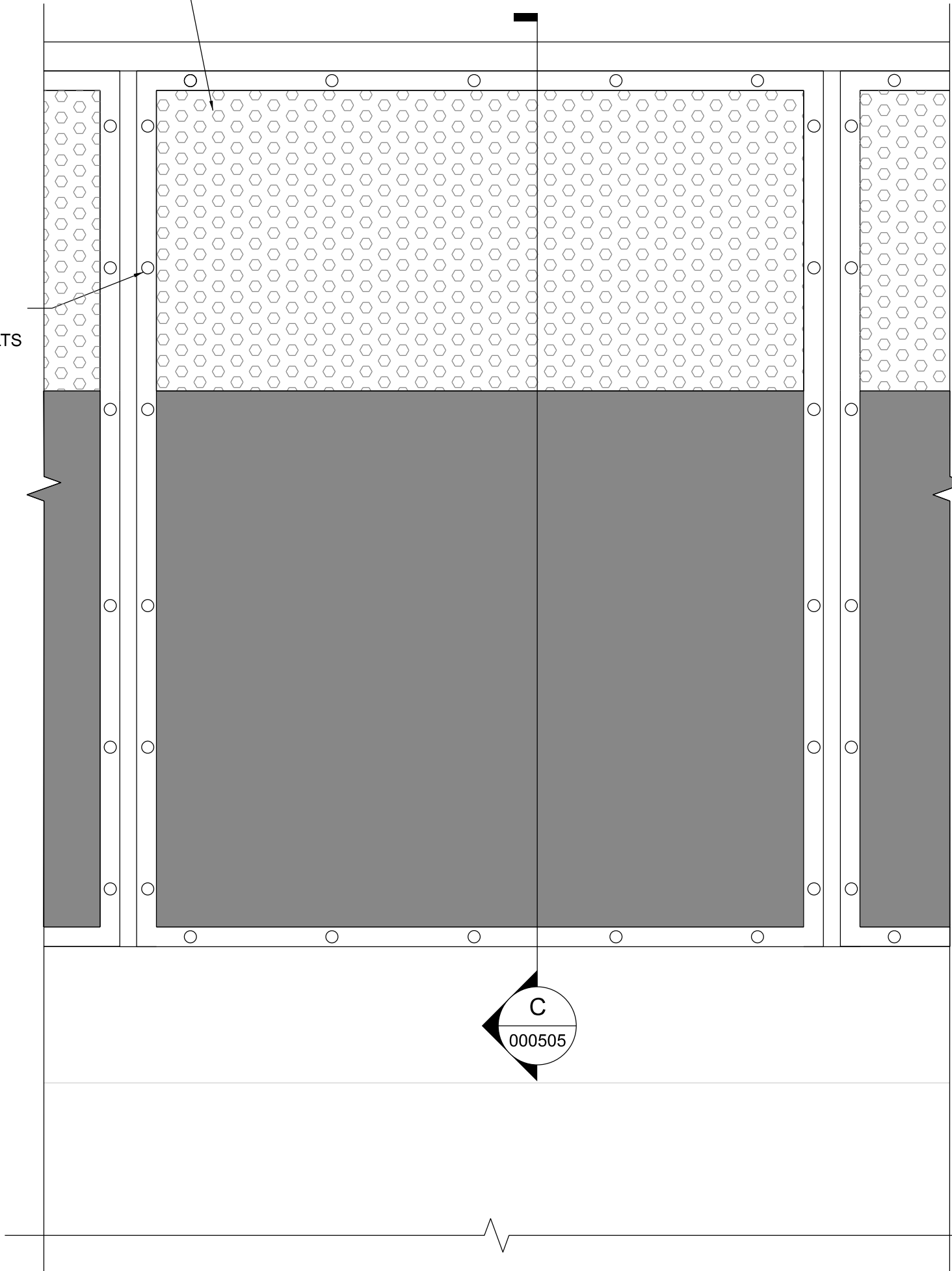
BRIDGE ELEVATION  
000505 1:50



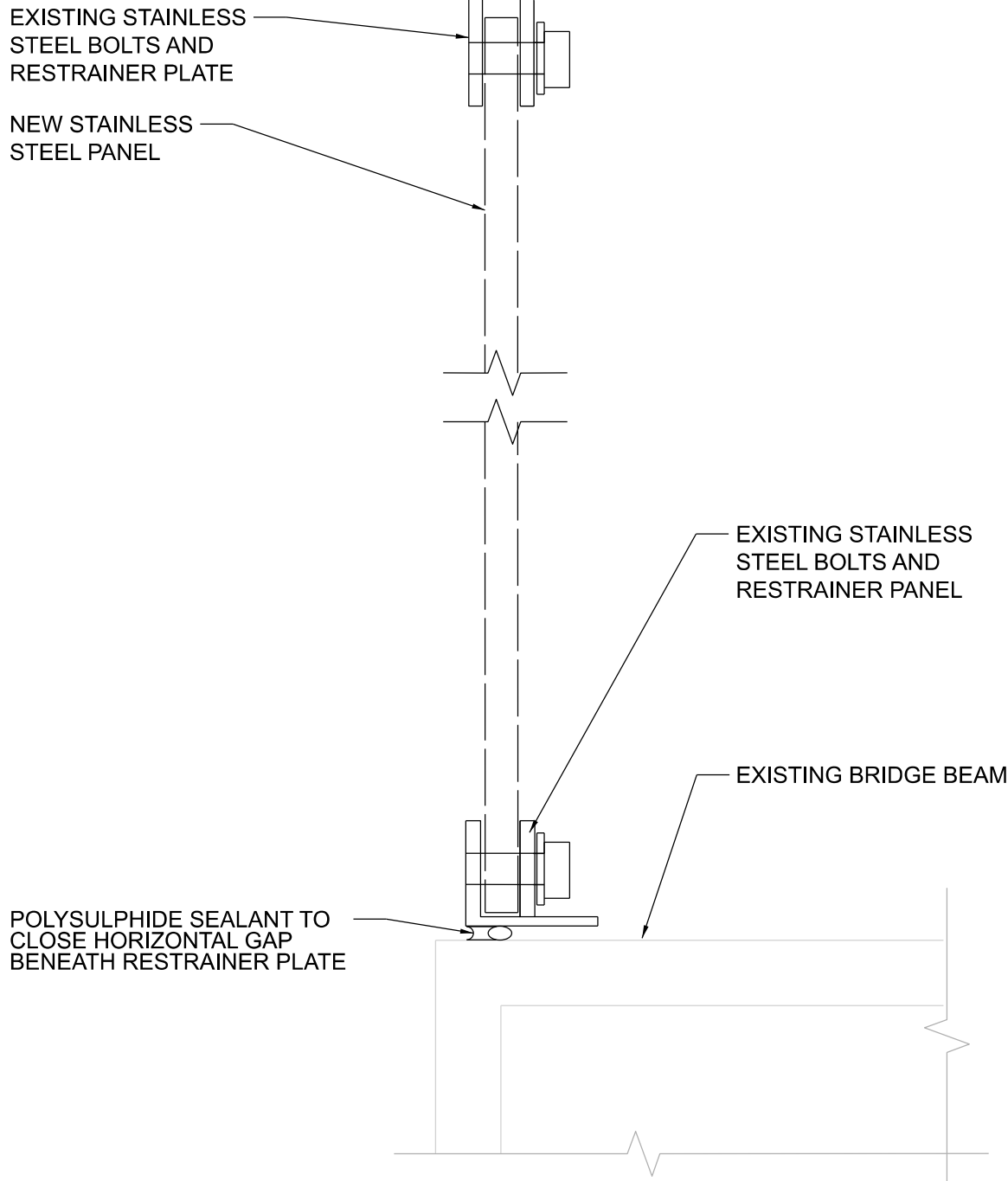
SECTION A  
000505 1:20

EXISTING PANELS TO BE REPLACED WITH NEW STAINLESS STEEL PANELS. THE LOWER PORTION SHALL BE SOLID UP TO A HEIGHT OF 1.2m MIN. ABOVE THE ADJACENT WALKING SURFACE. THE REMAINING PANEL HEIGHT SHALL BE FABRICATED WITH IP2X COMPLIANT PERFORATIONS

NEW PANEL WILL BE KEPT IN PLACE USING EXISTING RESTRAINER PANEL AND BOLTS



SECTION B  
000505 1:10



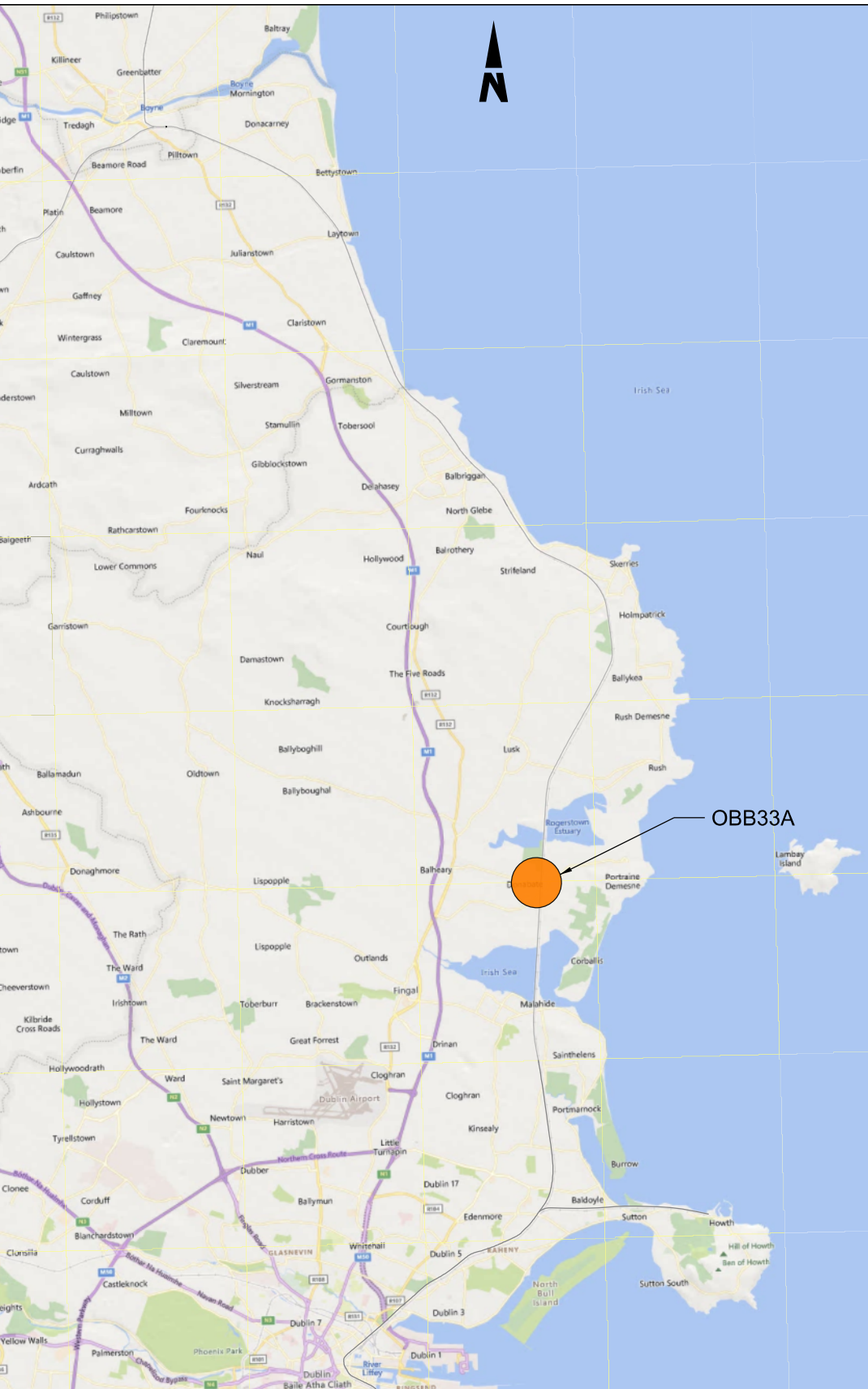
SECTION C  
000505 1:1

## NOTES

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## LEGEND

- EXISTING ELEMENTS  
PROPOSED ELEMENTS



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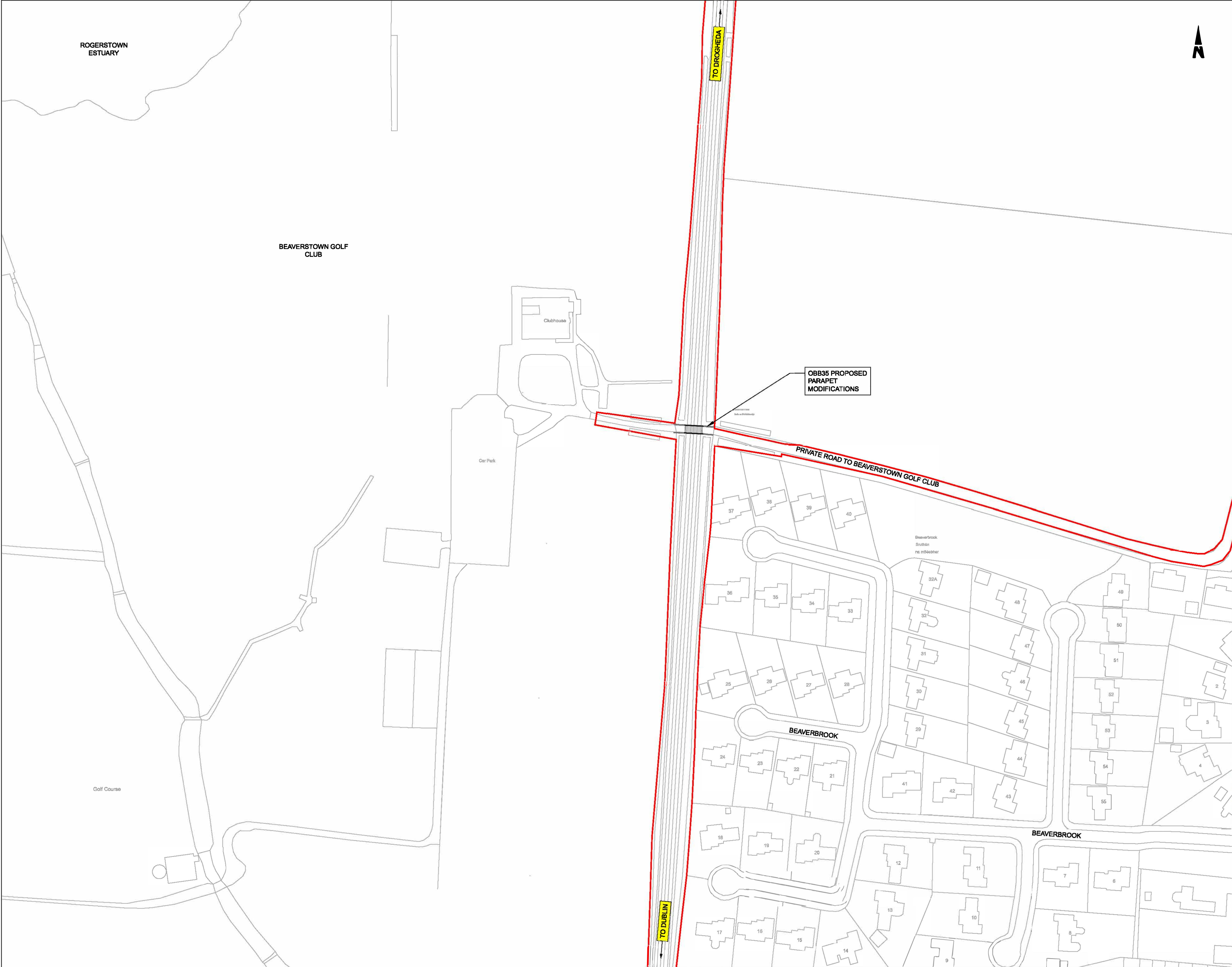
Rev	Date	Dm	Chk'd	App'd	Description
P01	13/10/2023	WC	CG	DB	PLANNING ISSUE

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

Project Title <b>DART+ COASTAL NORTH</b>				
Drawing Title OBB33A DONABATE PARAPET MODIFICATIONS GENERAL ARRANGEMENT				
Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000505	Sheet Number 01 of 01	Status S3	Rev P01	

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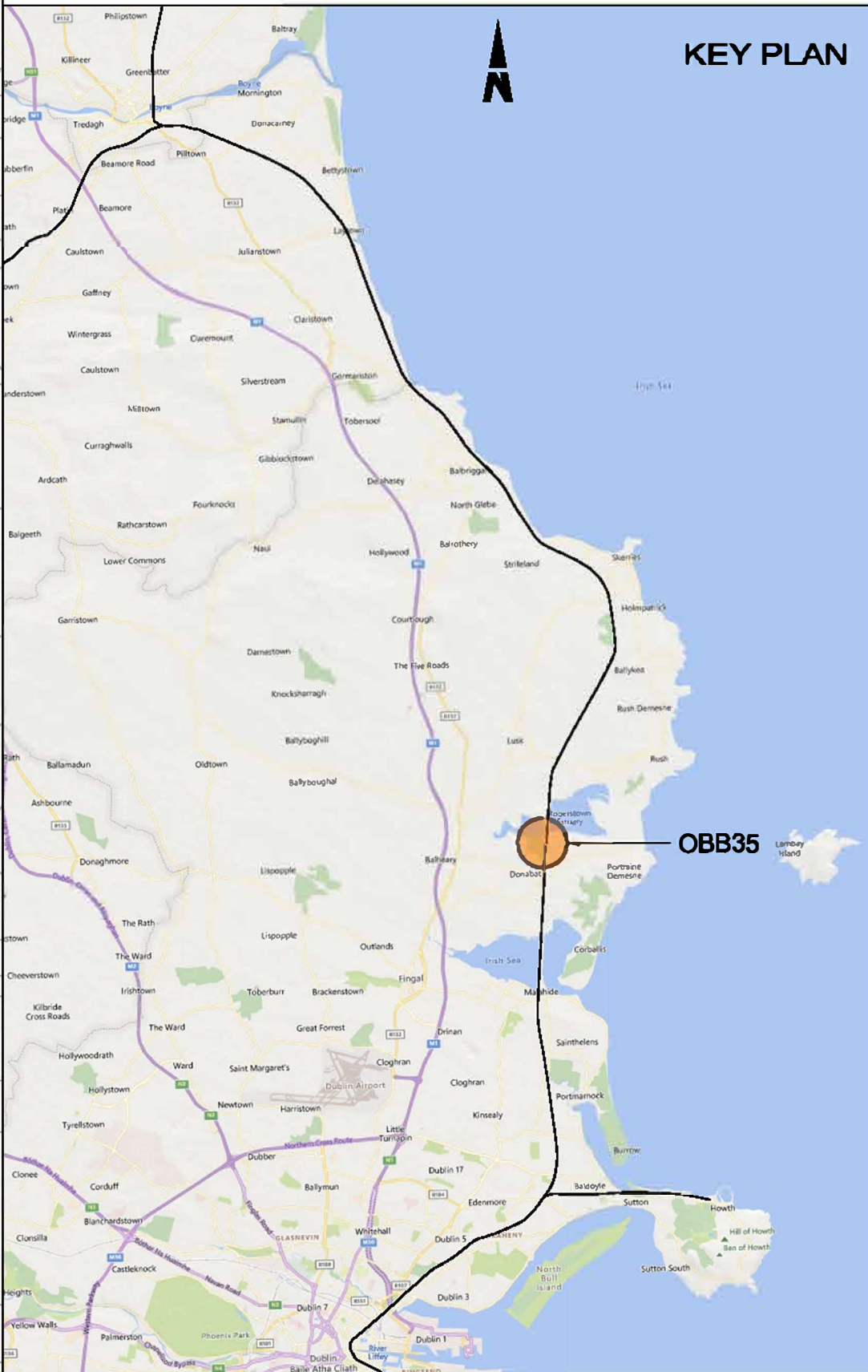


NOTES

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LEGEND

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



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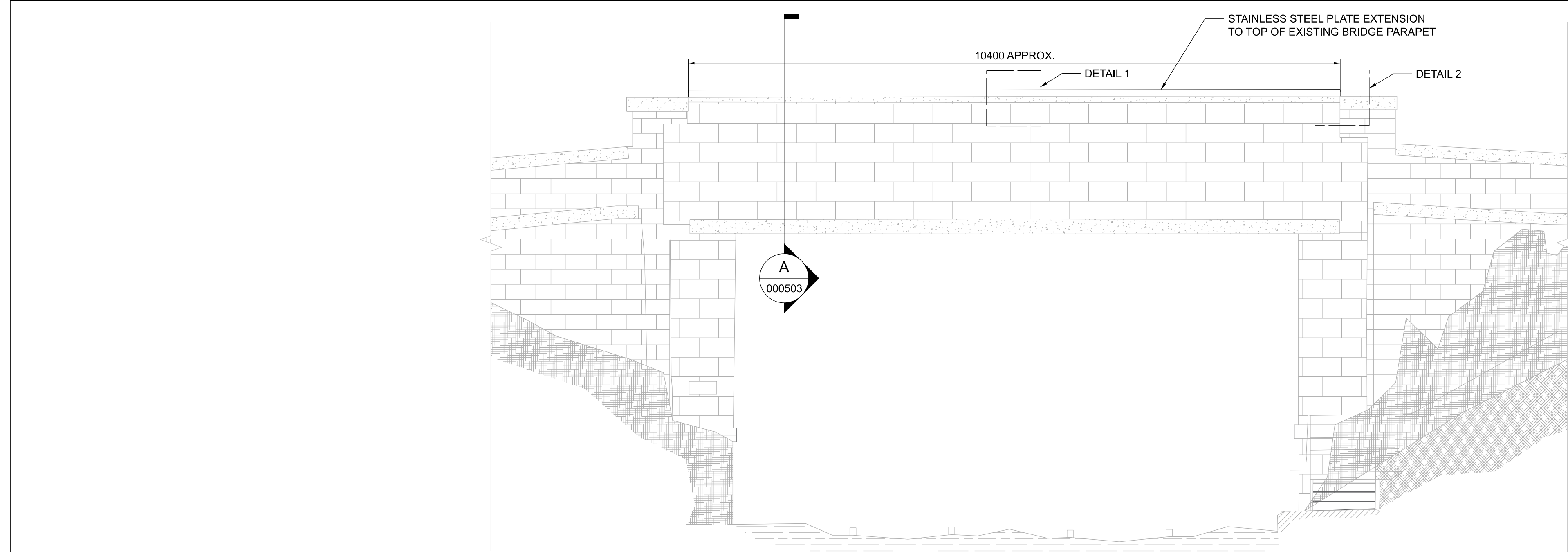
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P01	13/10/2023	AC	CG	DB	PLANNING ISSUE

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

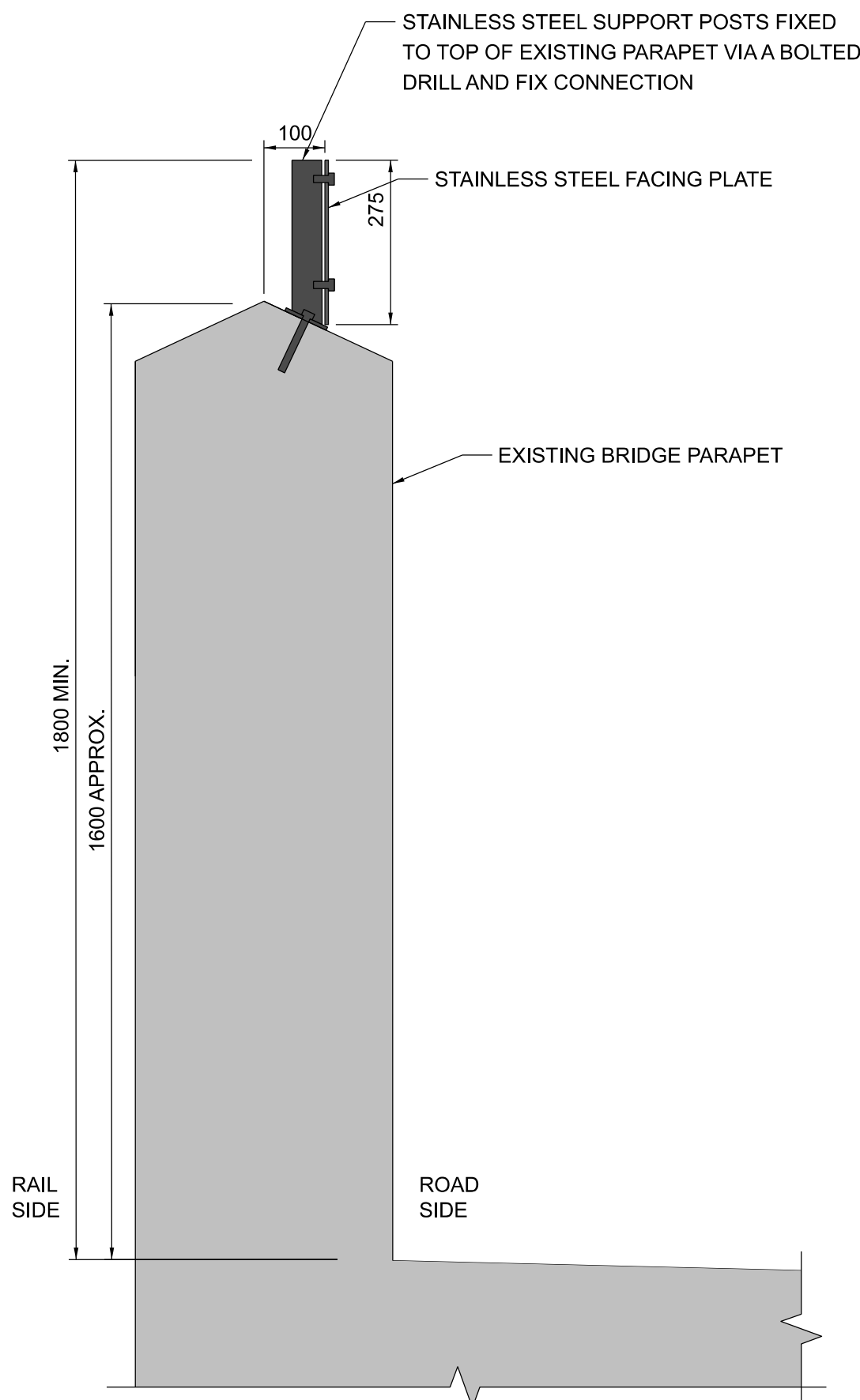
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Drawing Title		OBB35 BEAVERSTOWN GOLF CLUB PARAPET MODIFICATIONS SITE LOCATION PLAN			
Drawing File Name	D+WP56-ARP-P4-NL-DR-RO-000502	Sheet Number	01 of 01	Status	S3
Rev	P01				

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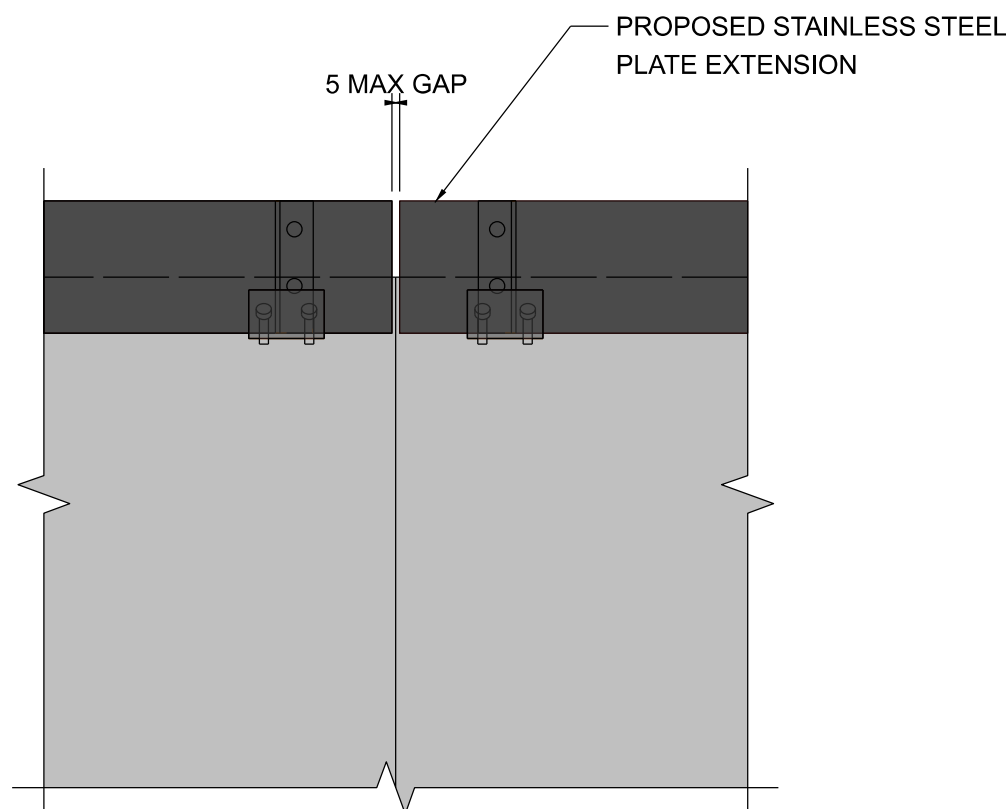




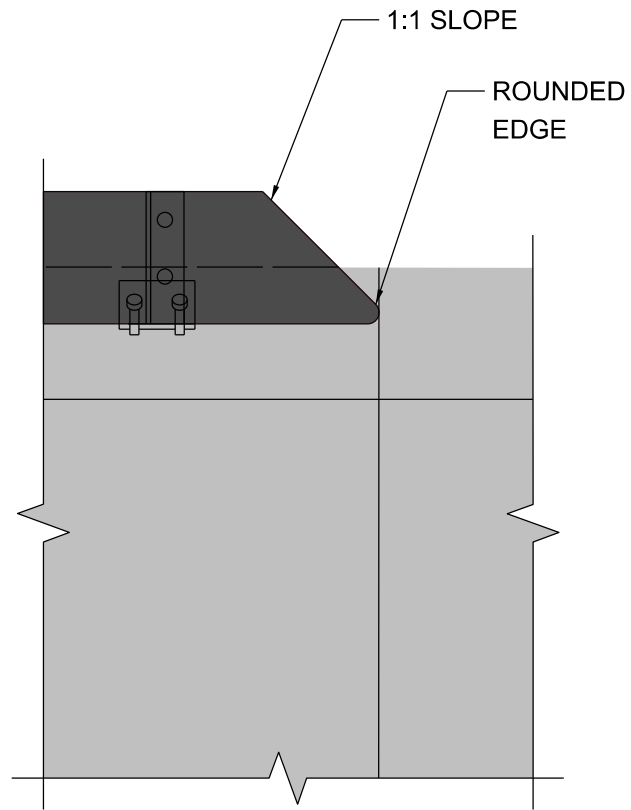
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000503 / 1:50



SECTION A  
000503 / 1:10



DETAIL 1  
000503 / 1:10



DETAIL 2  
000503 / 1:10



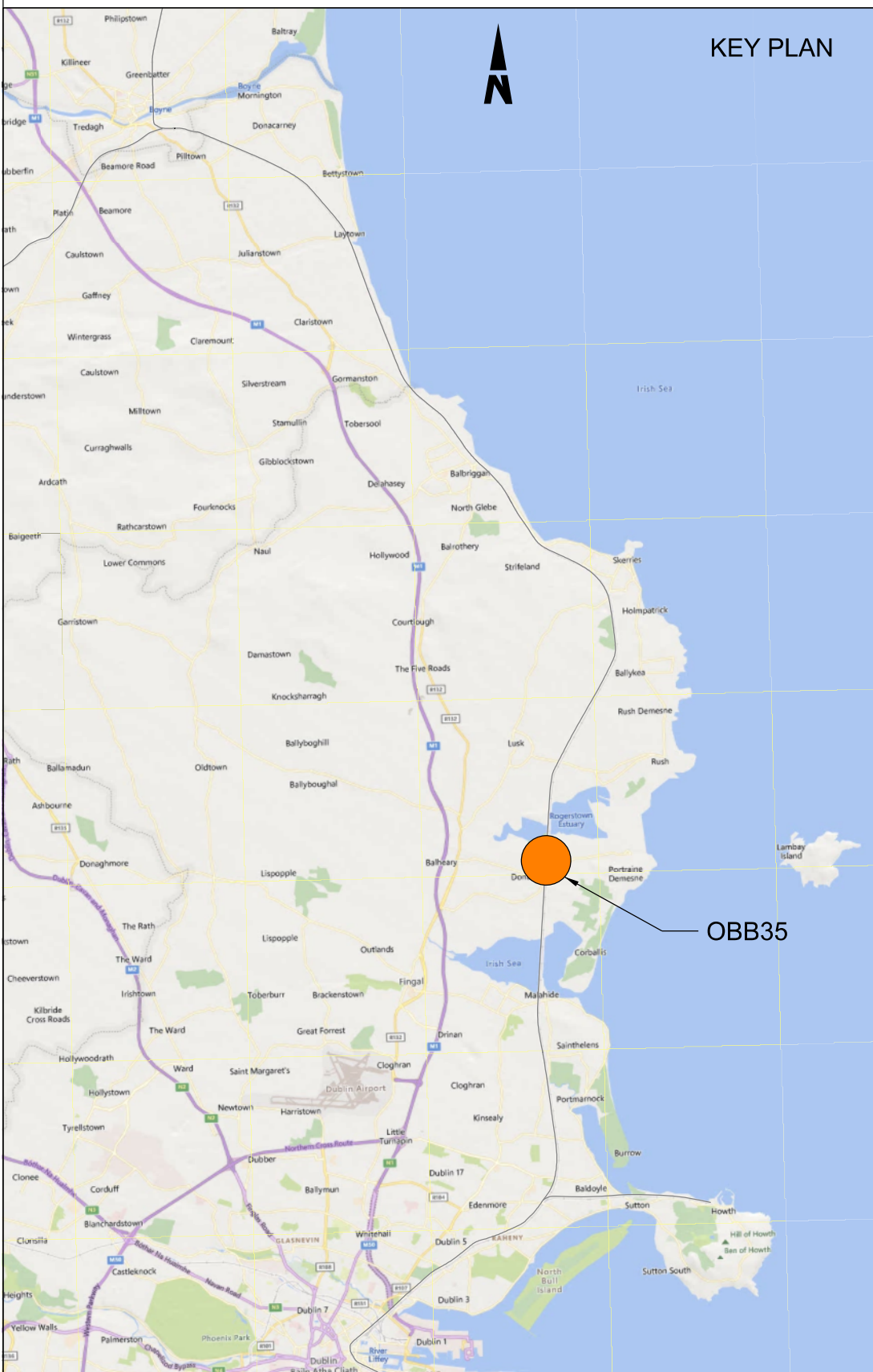
OBB35 PARAPET IMAGE  
000503

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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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**DART+ Coastal North**

**NTA**  
National Transport Authority  
**Tionscadal Éireann Project Ireland 2040**

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

**Client**  
**Iarnród Éireann Irish Rail**

Date 01/06/2023 Scale As Shown @ A1 @ A3  
Project Code D+WP56 Originator Code ARP

Engineering Designer

**ARUP**

Drawn WC Checked CG Approved DB  
QMS Code 280275-00

Project Title  
**DART+ COASTAL NORTH**

Drawing Title  
OBB 35 BEAVERSTOWN GOLF CLUB  
PARAPET MODIFICATIONS  
GENERAL ARRANGEMENT

Drawing File Name D+WP56-ARP-P4-NL-DR-RO-000503 Sheet Number 01 of 01 Status S3 Rev P01

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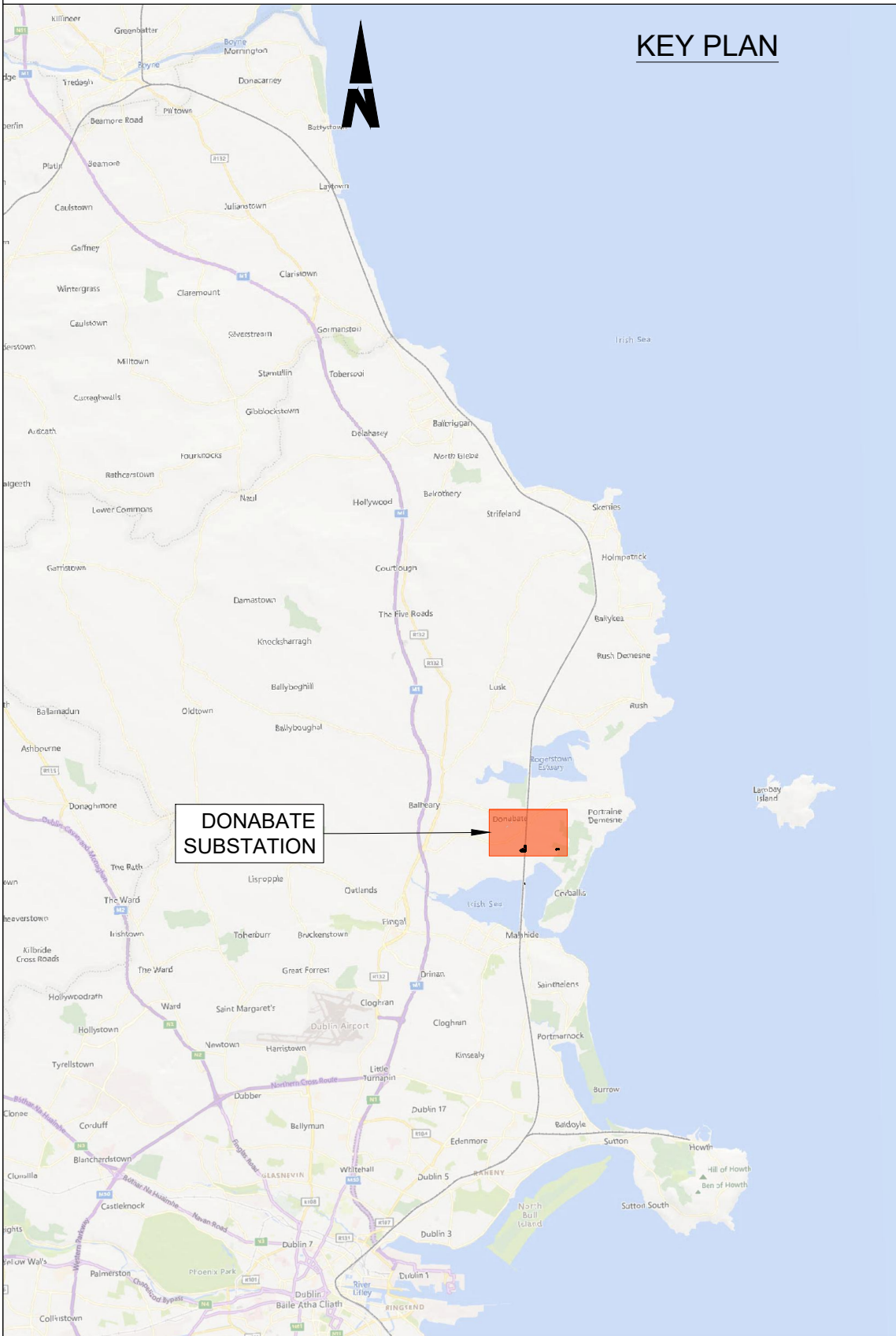






- NOTES
- DO NOT SCALE FROM THIS DRAWING.
  - LOCATION OF PROPOSED INCOMING ESB CABLE TO BE CONFIRMED.
  - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.
  - ALL DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
  - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
  - DRAWING 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 NATIVE GRASSLAND SPECIES
  - PROPOSED NATIVE SCREENING VEGETATION
  - AREA OF VEGETATION TO BE REMOVED
  - DEVELOPMENT BOUNDARY
  - PROPOSED ELEMENTS
  - EXISTING ELEMENTS
  - ELEMENTS TO BE REMOVED
  - PROPOSED LEVELS
  - EXISTING LEVELS
  - AREA TO BE PLANTED WITH NATIVE SHRUB PLANTING WITH A MATURE HEIGHT LESS THAN 15m



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DART+  
Coastal North

NTA  
National Transport Authority

Tionscadal Éireann  
Project Ireland  
2040

Rev	Date	Dm	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

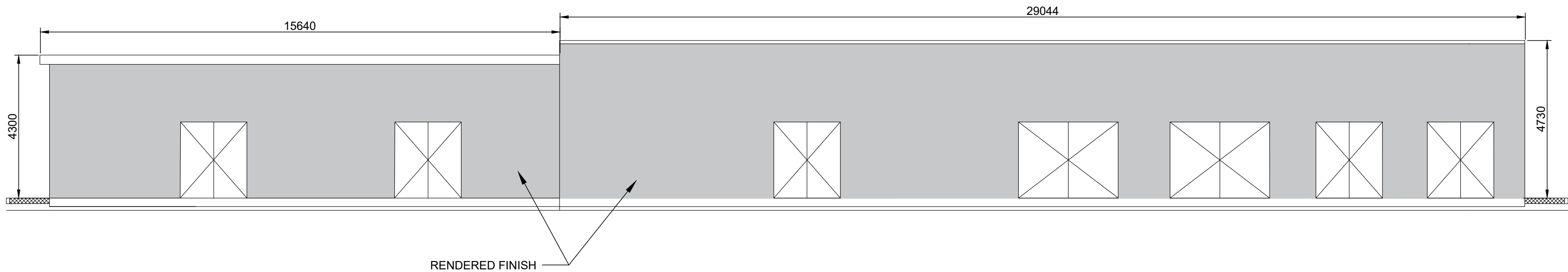
Drawing Title

DONABATE SUBSTATION  
SITE PLAN

Drawing File Name	D+WP56-ARP-P4-NL-DR-RO-000510	Sheet Number	01 of 01	Status	S3	Rev	P01
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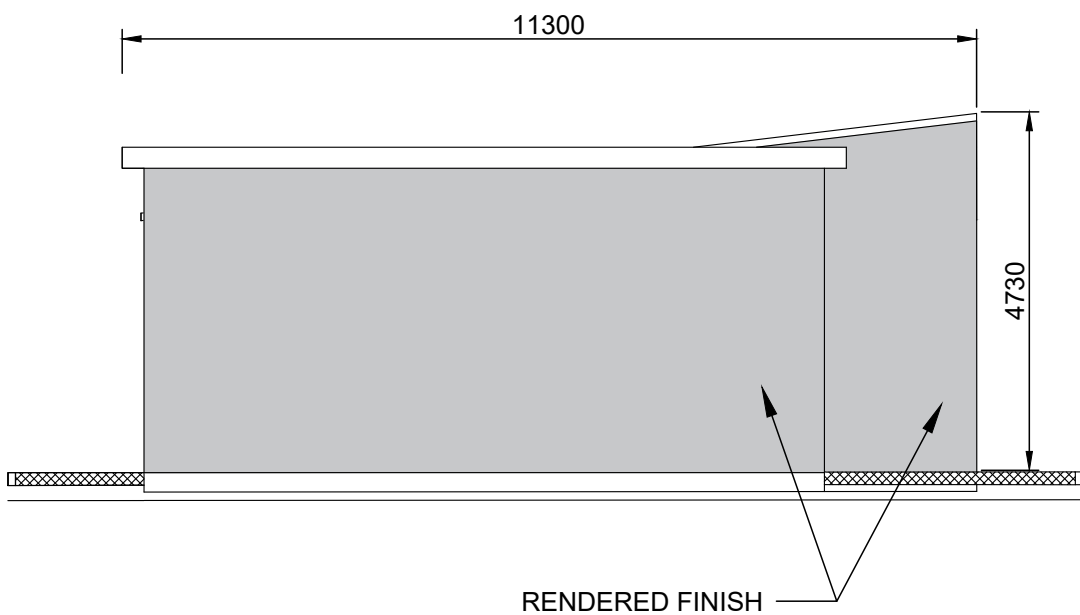
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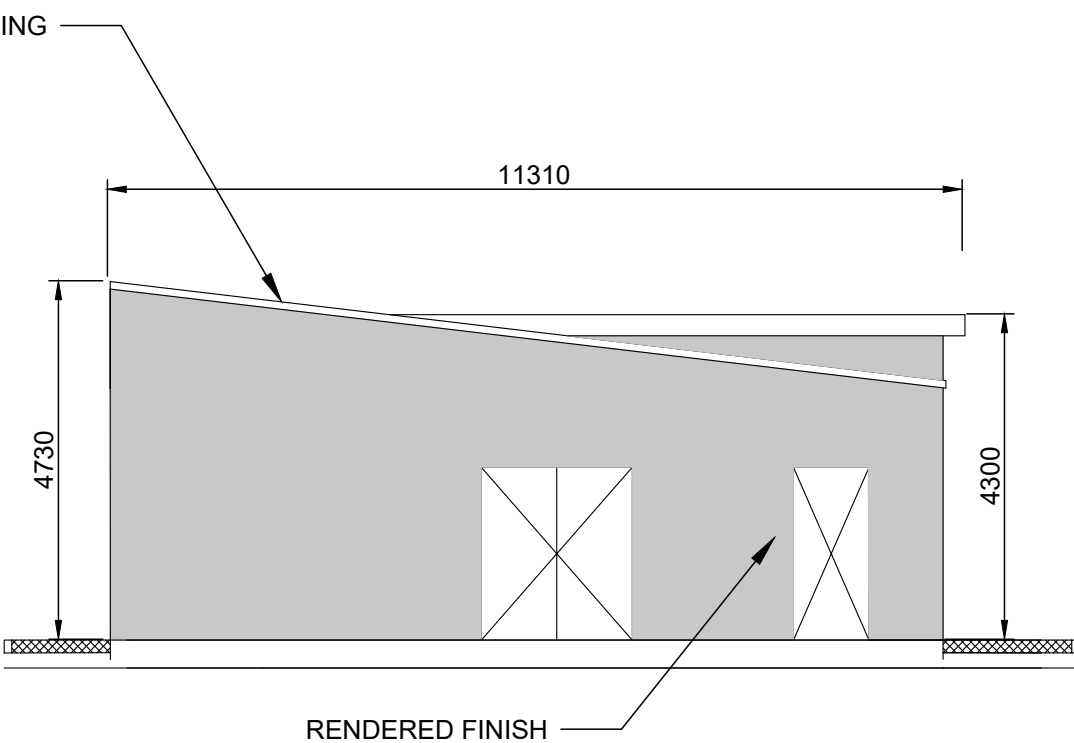
ELEVATION A

1:100 @ A1  
1:200 @ A3



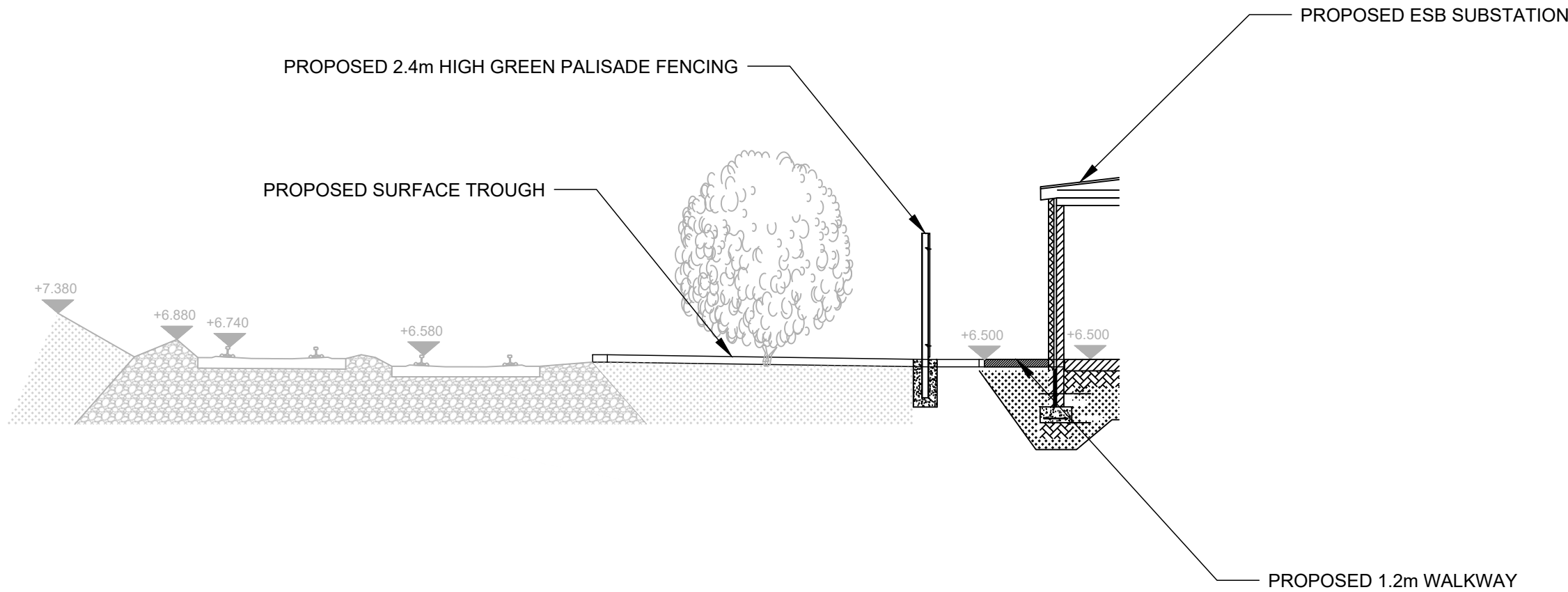
ELEVATION B

1:100 @ A1  
1:200 @ A3



ELEVATION C

1:100 @ A1  
1:200 @ A3



CROSS-SECTION

1:100 @ A1  
1:200 @ A3

NOTES

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- LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.

LEGEND

- EXISTING ELEMENTS
- PROPOSED ELEMENTS

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

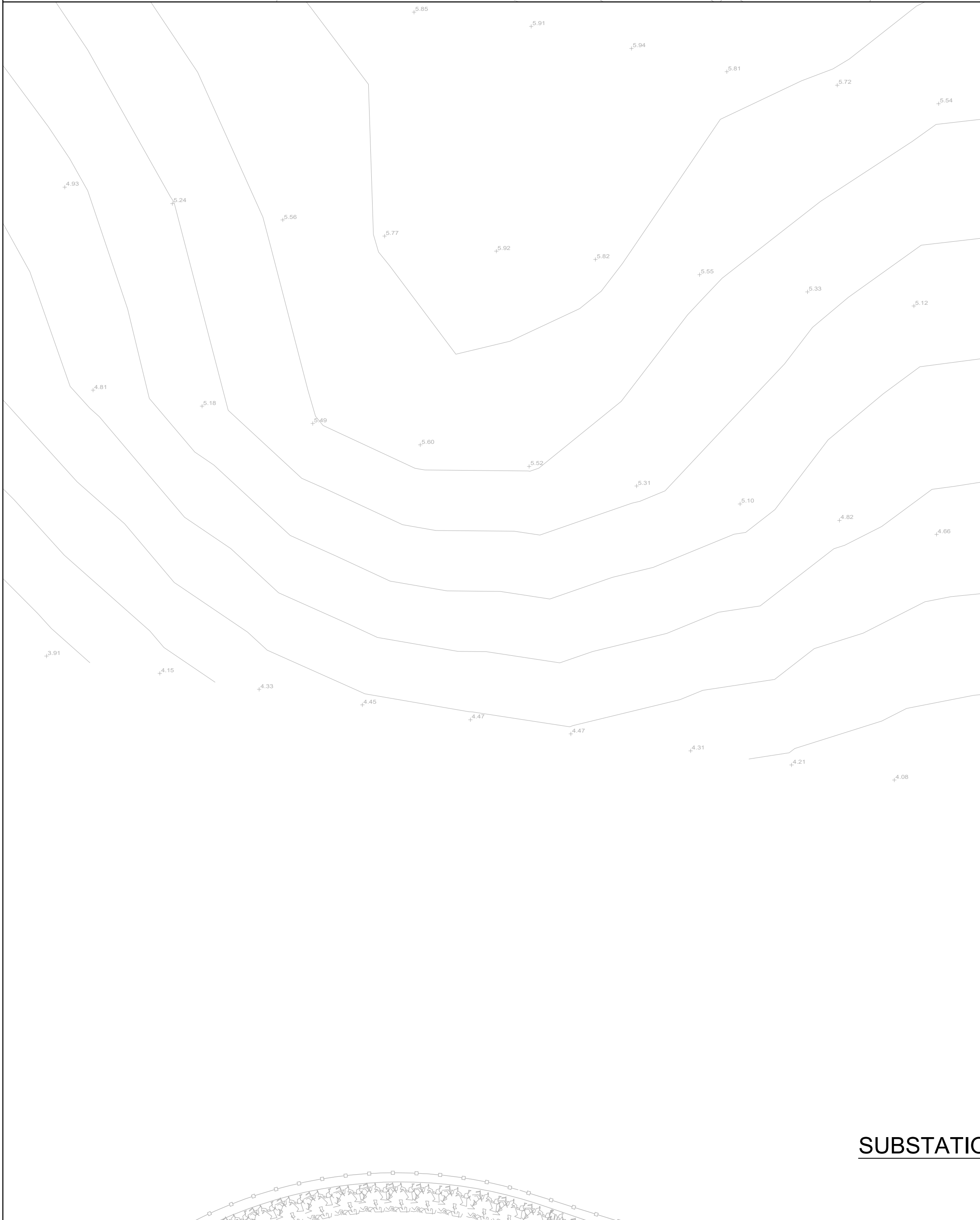
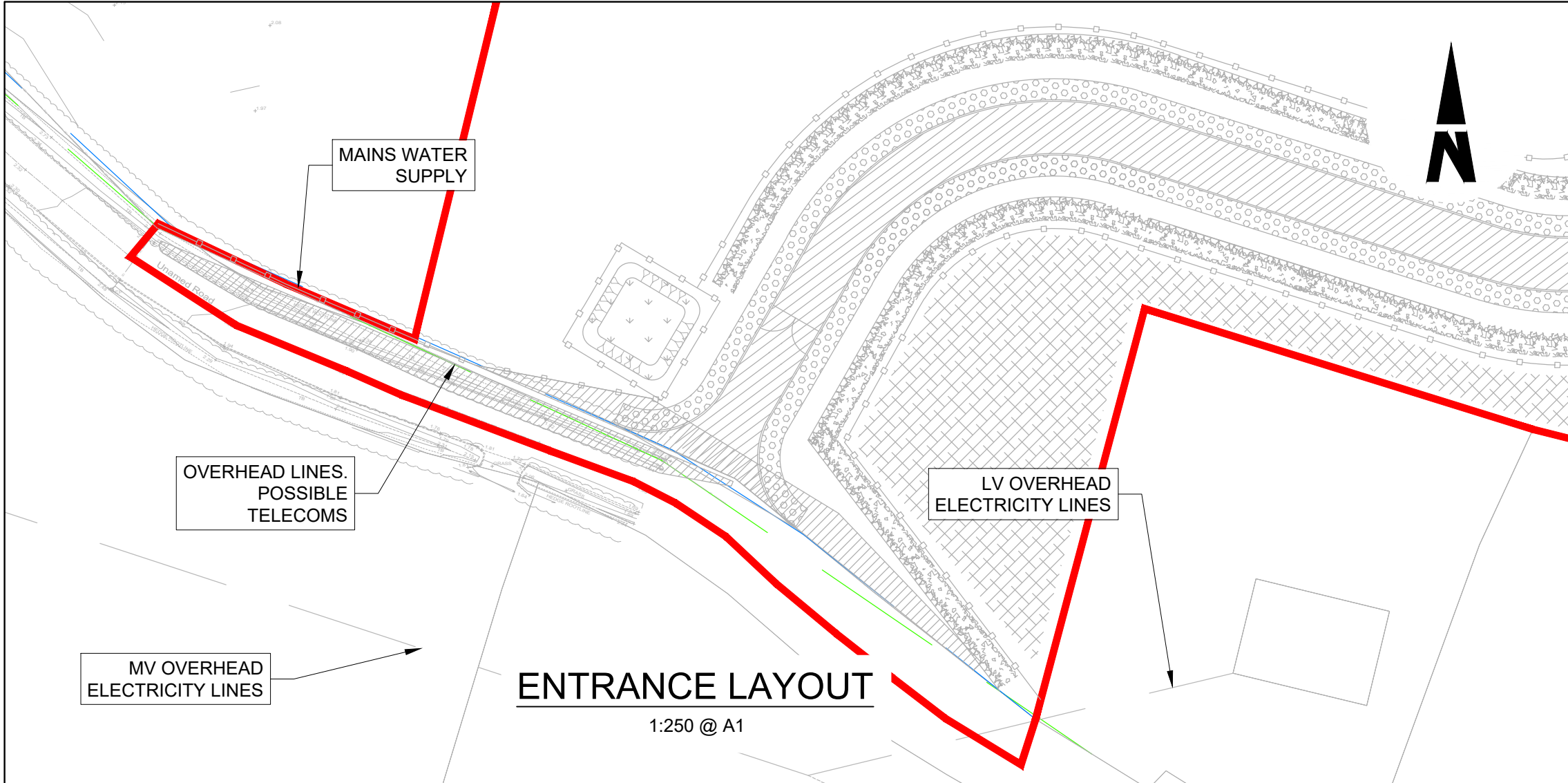


Date	01/06/2023	Scale	SHOWN @ A1 SHOWN @ A3	Drawn	SF	Checked	EJ	Approved	DB
Project Code	D+WP56	Originator Code	ARP	QMS Code	280275-00				

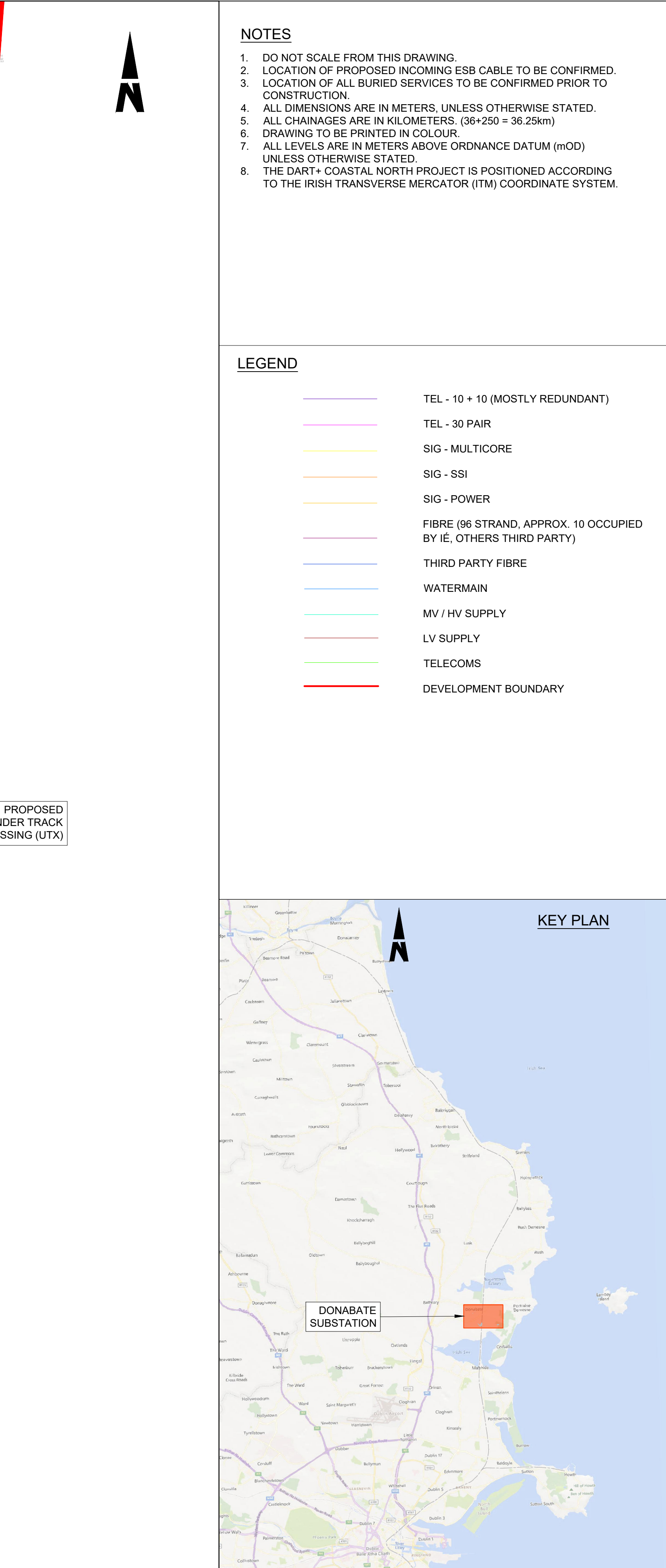
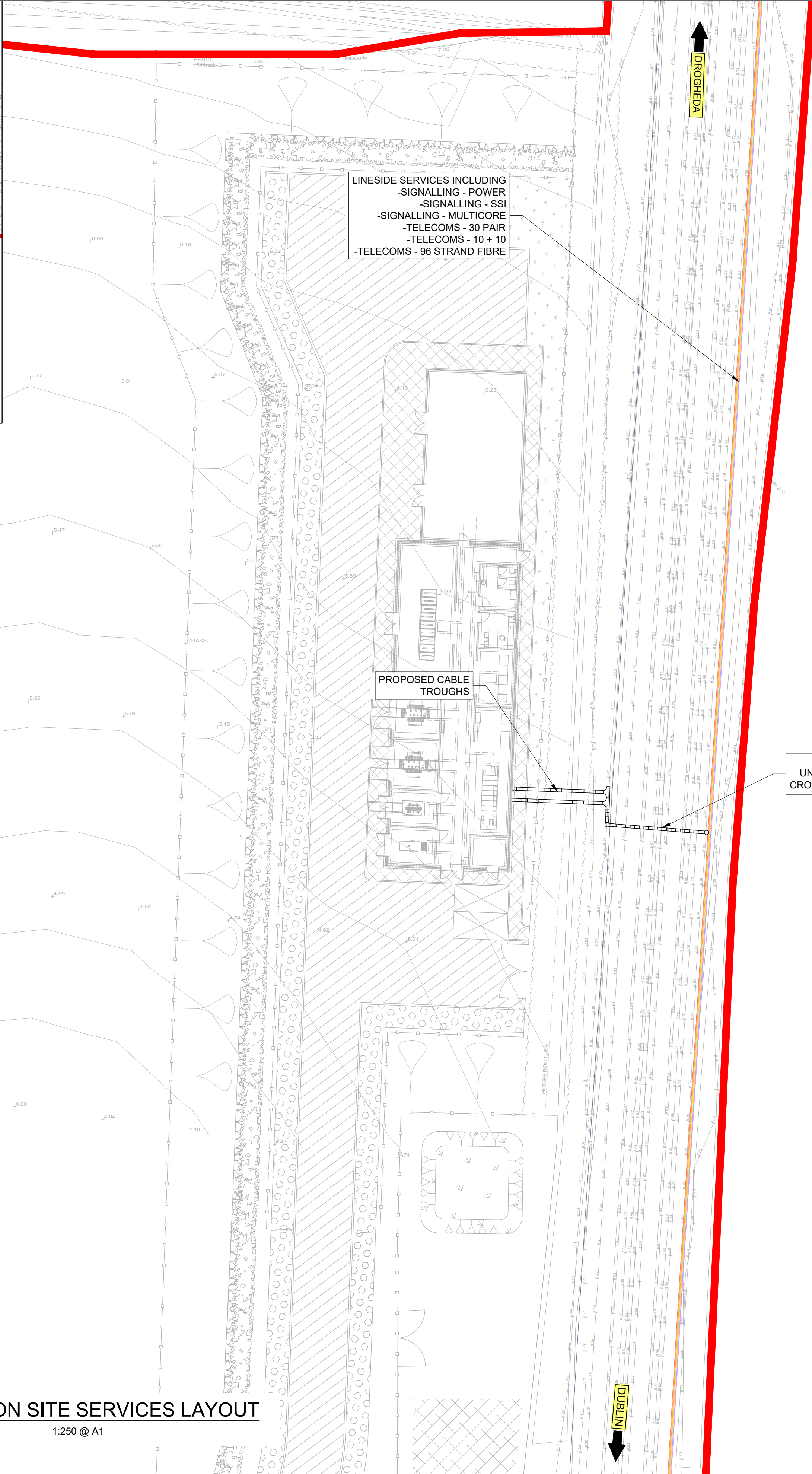
Project Title	DART+ COASTAL NORTH			
Drawing Title	DONABATE SUBSTATION SECTION AND ELEVATIONS			
Drawing File Name	D+WP56-ARP-P4-NL-DR-RO-000511	Sheet Number	01 of 01	Status S3
Rev	P01			

DO NOT SCALE USE FIGURED DIMENSIONS ONLY





SUBSTATION SITE SERVICES LAYOUT  
1:250 @ A1



- NOTES**
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  - LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION.
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- LEGEND**
- TEL - 10 + 10 (MOSTLY REDUNDANT)
  - TEL - 30 PAIR
  - SIG - MULTICORE
  - SIG - SSI
  - SIG - POWER
  - FIBRE (96 STRAND, APPROX. 10 OCCUPIED BY IE, OTHERS THIRD PARTY)
  - THIRD PARTY FIBRE
  - WATERMAIN
  - MV / HV SUPPLY
  - LV SUPPLY
  - TELECOMS
  - DEVELOPMENT BOUNDARY

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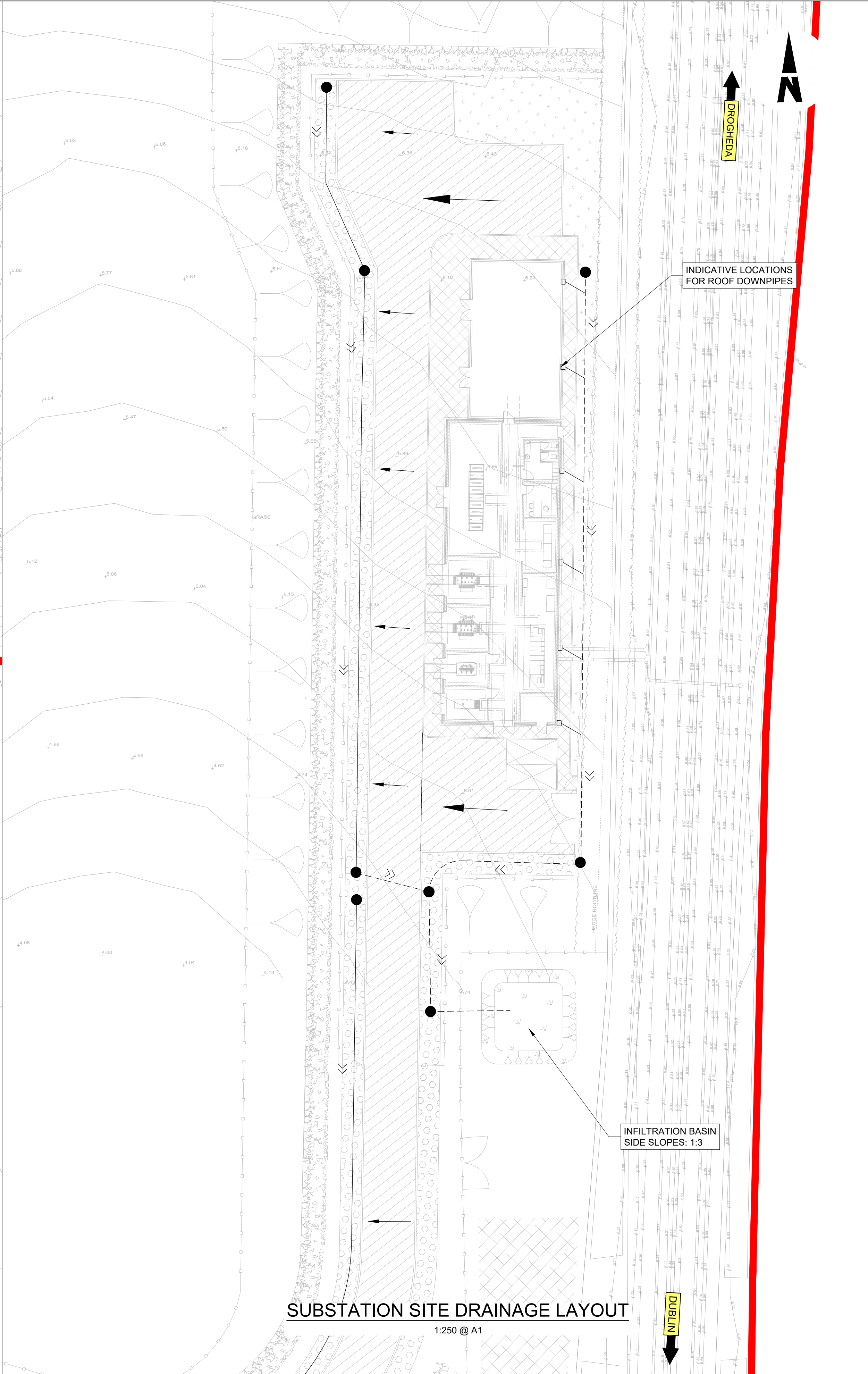
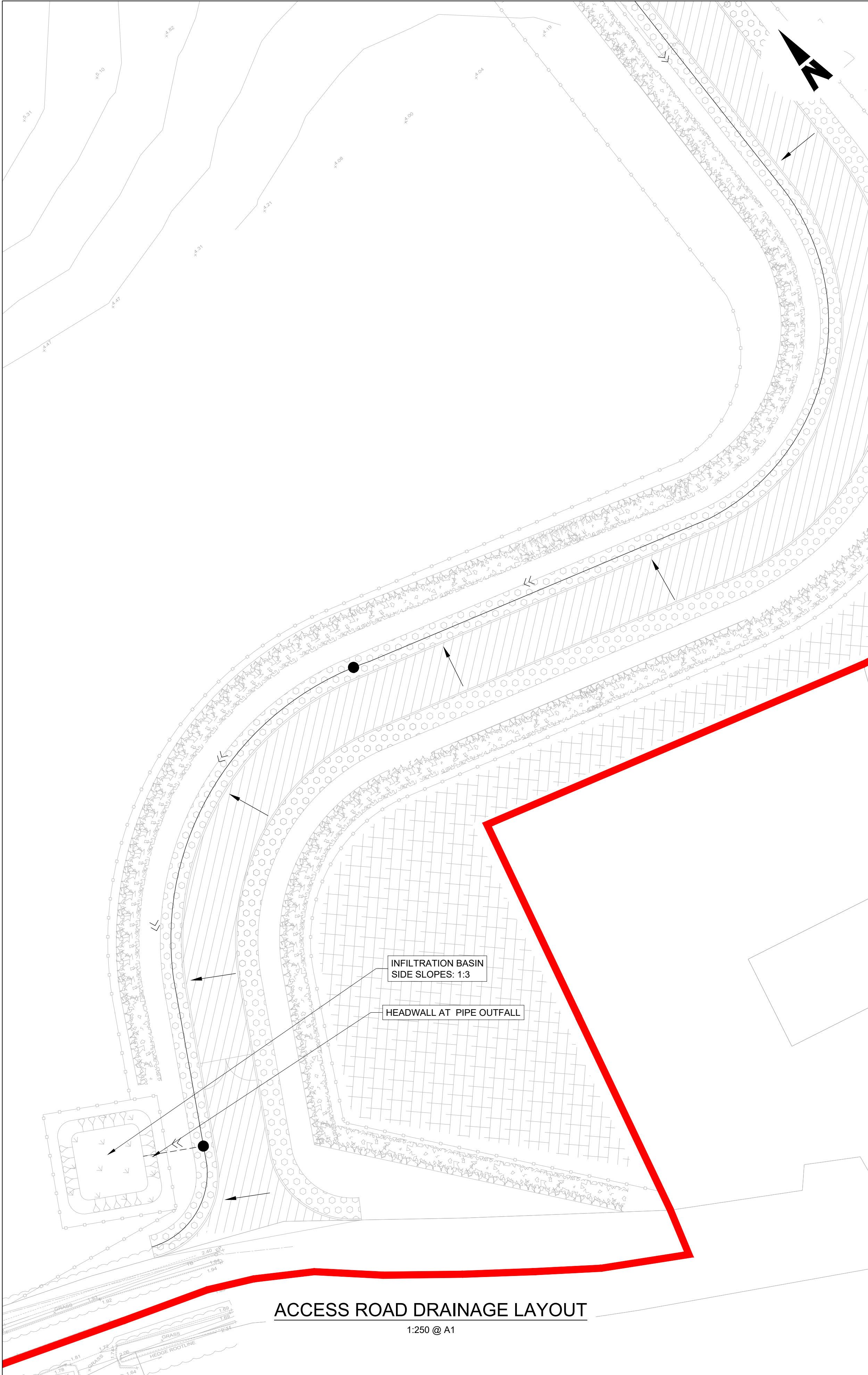
Rev	Date	Drm	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

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

Project Title	DART+ COASTAL NORTH			
Drawing Title	DONABATE SUBSTATION SERVICES LAYOUT			
Drawing File Name	Sheet Number	Status	Rev	
D+WP56-ARP-P4-NL-DR-RO-000512	01 of 01	S3	P01	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

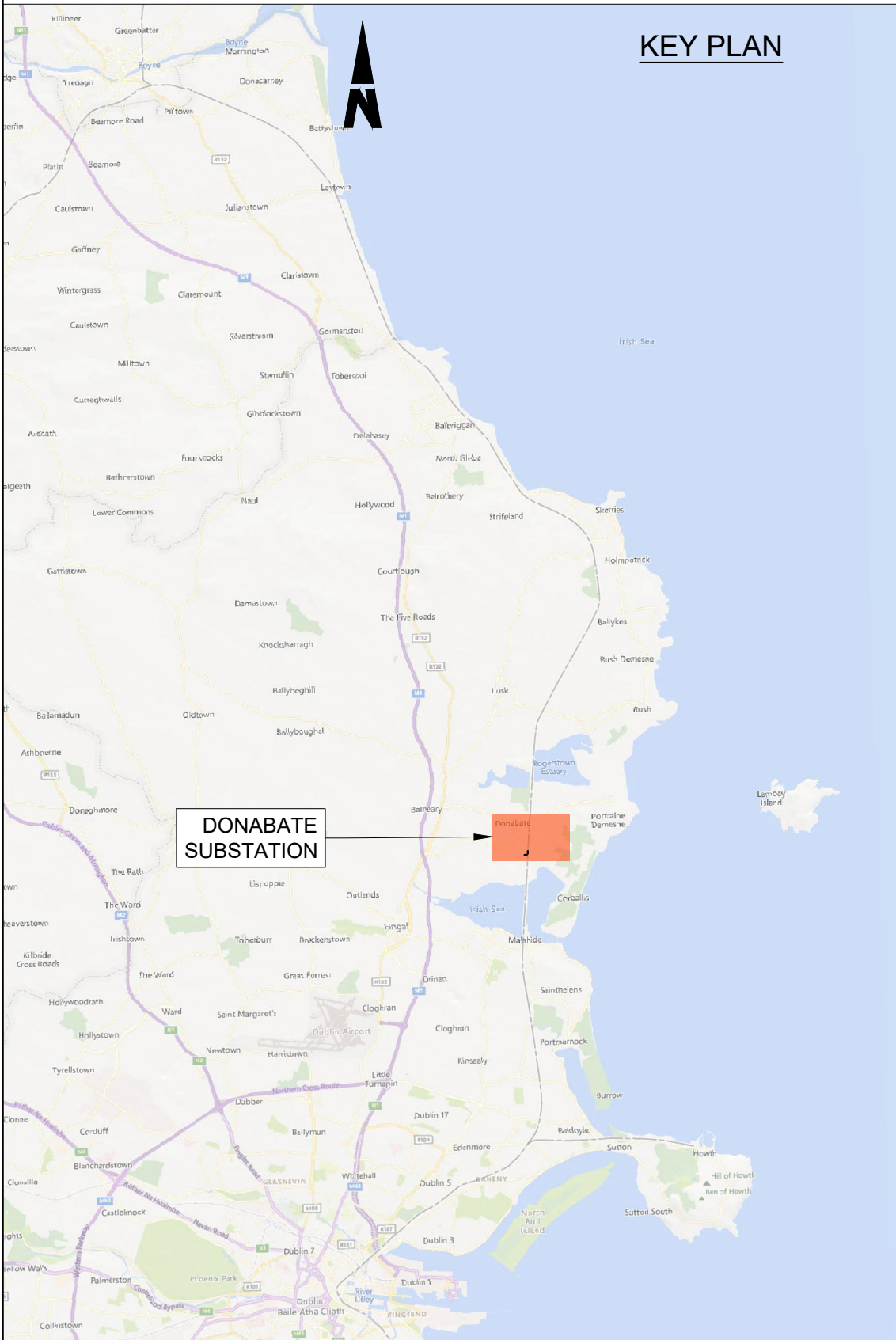




- NOTES**
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  - ALL DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
  - ALL CHAINAGES ARE IN KILOMETERS. (36+250 = 36.25km)
  - DRAWING TO BE PRINTED IN COLOUR.
  - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mOD) UNLESS OTHERWISE STATED.
  - THE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

- LEGEND**
- INSPECTION CHAMBER
  - GULLY TAILS
  - SURFACE WATER GULLY
  - SURFACE WATER FLOW PATHS (GENERAL FALLS OF THE ROAD TO BE 2.5%)
  - PROPOSED FILTER TRENCH WITH FLOW DIRECTION.
  - PROPOSED 225mm DIAMETER PVC PIPE WITH FLOW DIRECTION
  - DEVELOPMENT BOUNDARY

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



**Disclaimer**


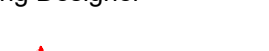
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Rev	Date	Dm	Chk'd	App'd	Description
P01	17/11/2023	SF	EJ	DB	PLANNING ISSUE

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		

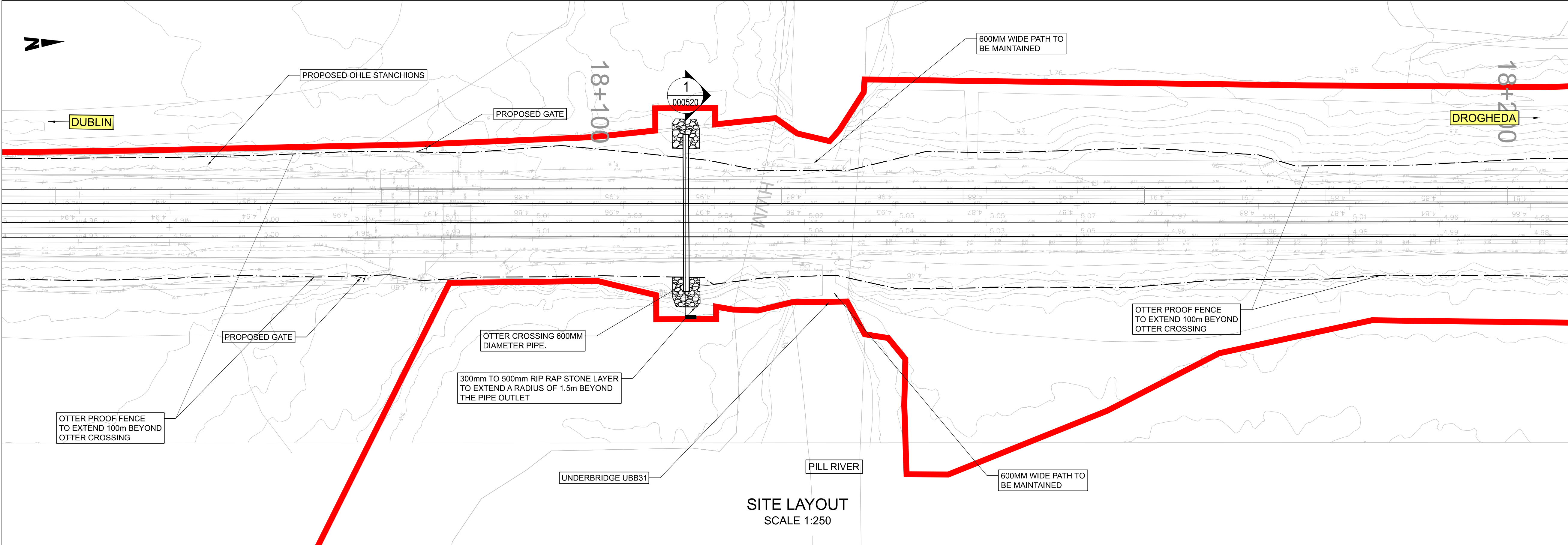
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Drawing Title	DONABATE SUBSTATION DRAINAGE LAYOUT			
Drawing File Name	Sheet Number	Status	Rev	
D+WP56-ARP-P4-NL-DR-RO-000513	01 of 01	S3	P01	

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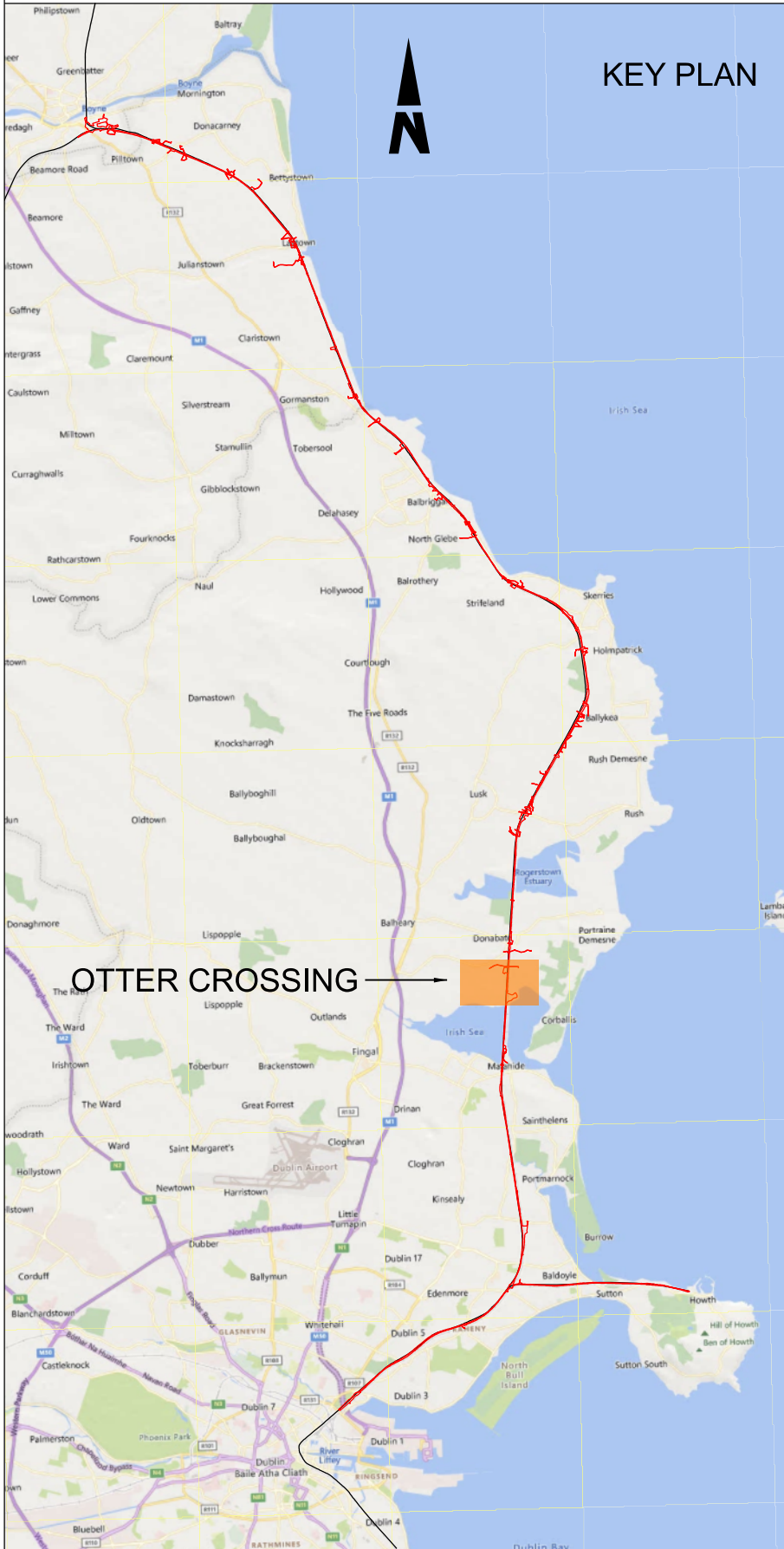
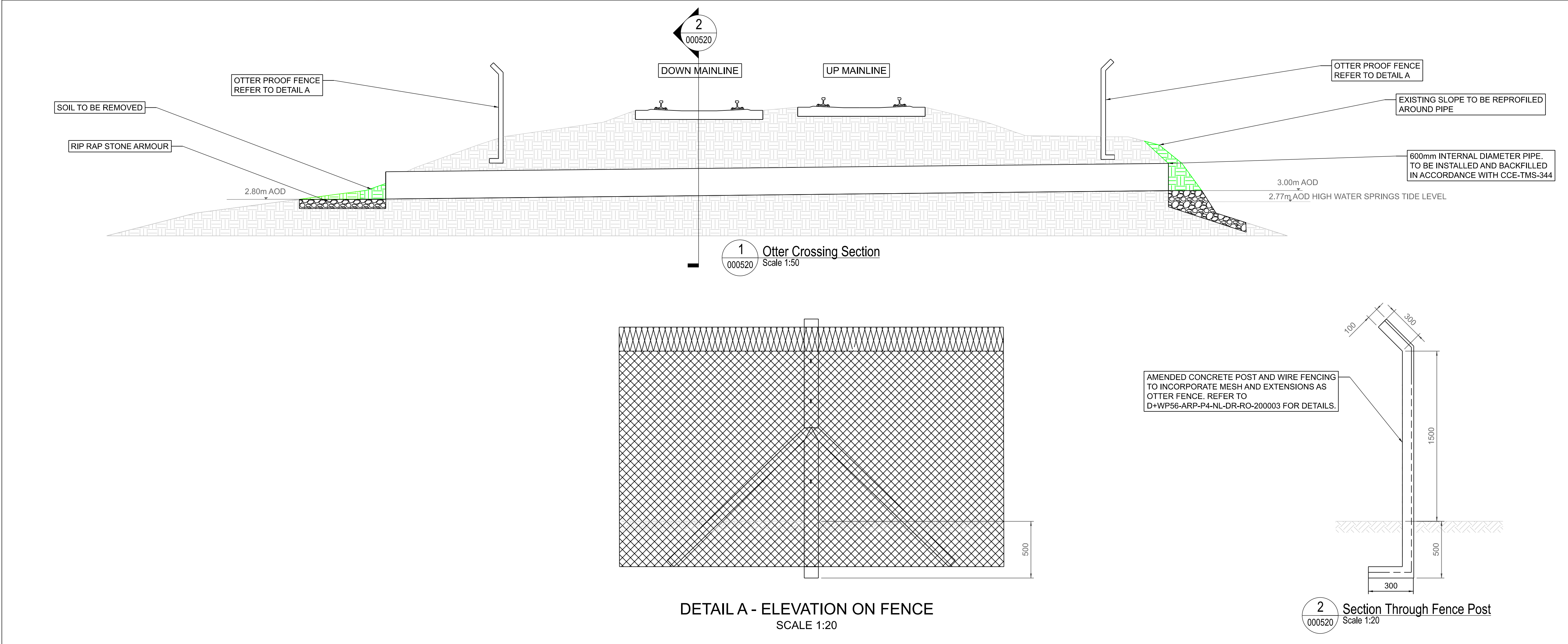






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  - ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (MOD) UNLESS OTHERWISE STATED.
  - THE DART+ COASTAL NORTH PROJECT IS POSITIONED ACCORDING TO THE IRISH TRANSVERSE MERCATOR (ITM) COORDINATE SYSTEM.

- LEGEND**
- EXISTING ELEMENTS
  - PROPOSED ELEMENTS
  - DEVELOPMENT BOUNDARY
  - OTTER PROOF FENCING
  - ELEMENTS TO BE REMOVED
  - RIP RAP STONE ARMOUR



Disclaimer		<div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div>DART+</div><div>Coastal North</div></div><div><div><div>NTA</div><div>Gaeilge Náisiúnaíocht</div><div>Irish National Heritage Authority</div></div><div><div><div>Tionscadal Éireann</div><div>Project Ireland</div><div>2040</div></div></div></div></div></div></div>					Rev	Date	Dm	Chk'd	App'd	Description	Client <div><div><div></div><div></div><div></div></div><div><div>Iarnród Éireann</div><div>Irish Rail</div></div></div>		Engineering Designer <div><div><div>ARUP</div></div></div>			Project Title <div>DART+ COASTAL NORTH</div>	
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