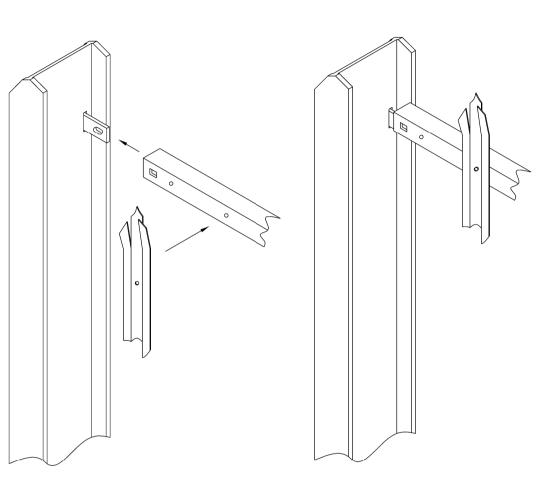
GENERAL
ARRANGEMENTS

FENCING DETAILS

PALISADE FENCING PANEL 1:10 @ A1

### <u>NOTES</u>

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ISOMETRIC CONNECTION VIEW NOT TO SCALE

DIM A	DIM B	POSTS	ANGLES	PALES
900	600	102x44	50x50	"W"&"D"
1200	600	102x44	50x50	"W"&"D"
1500	600	102x44	50x50	"W"&"D"
1800	600	102x44	50x50	"W"&"D"
2400	750	102x44	50x50	"W"&"D"

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Date 11/07/2023	Scale	1:10	@ A1	Drawn

Originator Code



Checked Approved

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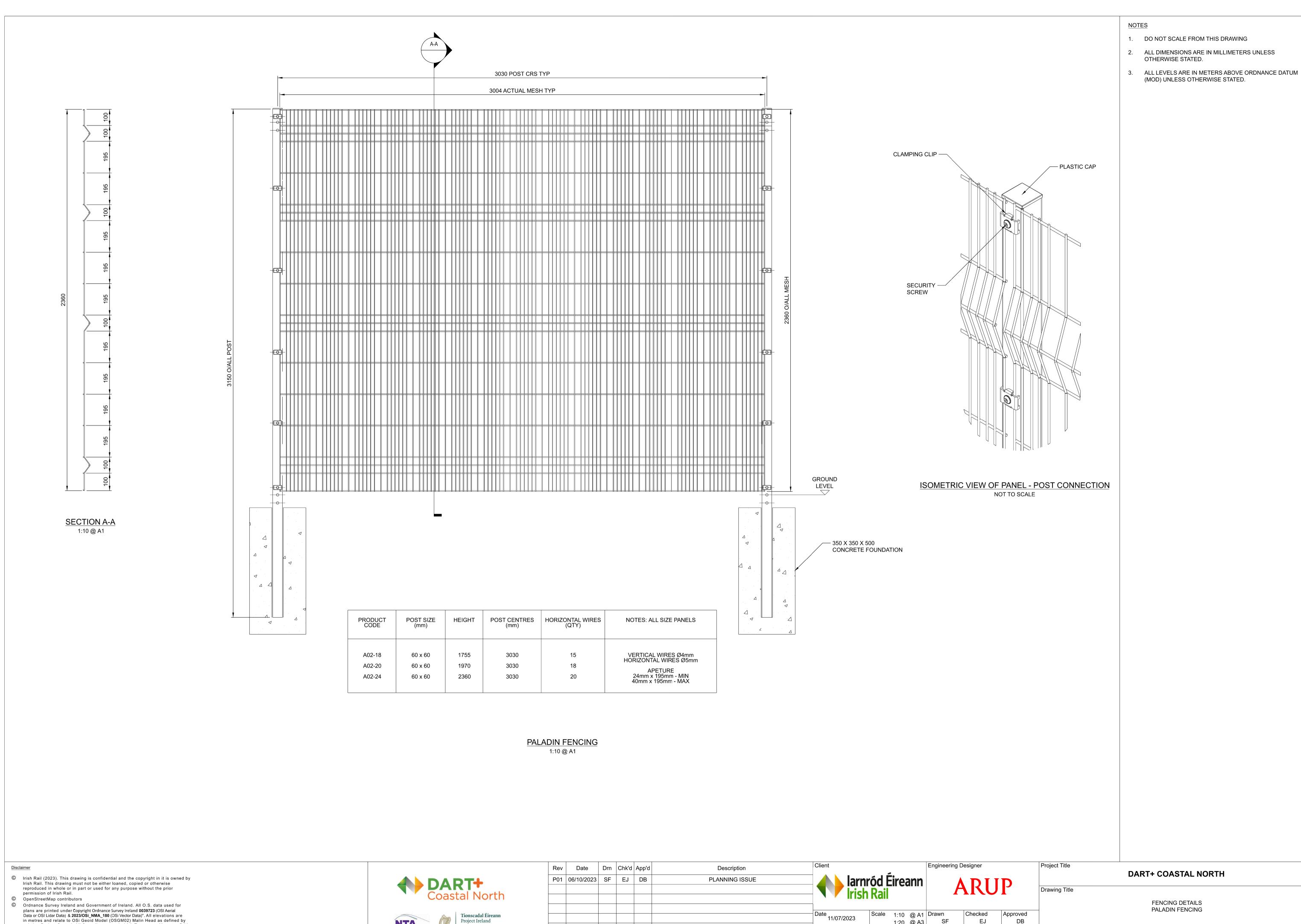
Project Title DART+ COASTAL NORTH Drawing Title

FENCING DETAILS PALISADE FENCING

Drawing File Name Sheet Number | Status S3 P01 01 of 01 D+WP56-ARP-P4-NL-DR-RO-200001

QMS Code

1:20 @ A3 SF



in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by

(ITM) as defined by OSi active GPS station Tallaght College (TLLG).

existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid

Project Ireland
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Drawing File Name

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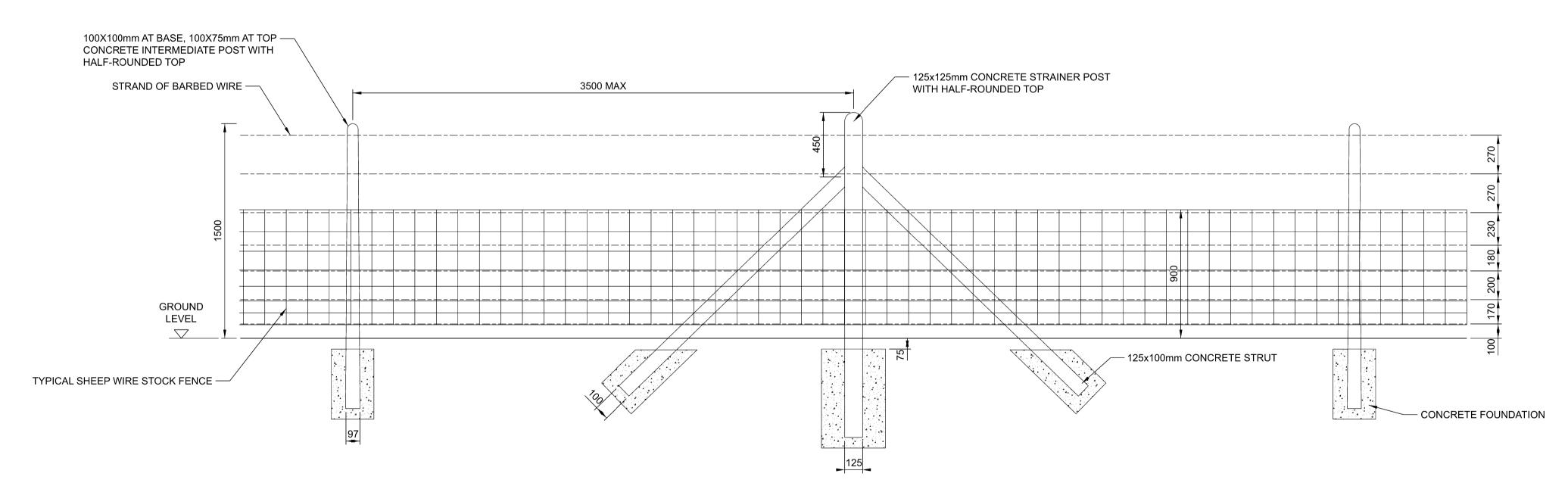
Sheet Number | Status

01 of 01

S3

P01

## TIMBER POST AND WIRE FENCE 1:20 @ A1



CONCRETE POST AND WIRE FENCE 1:20 @ A1

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TYPICAL SHEEP WIRE STOCK FENCE -

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						Project Code
						D+WP56

— 100mm DIAMETER TIMBER STRUT



Checked

EJ

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Drawing Title Approved

Drawing File Name

Project Title

DART+ COASTAL NORTH

Sheet Number | Status

01 of 01

S3

P01

**NOTES** 

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3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM

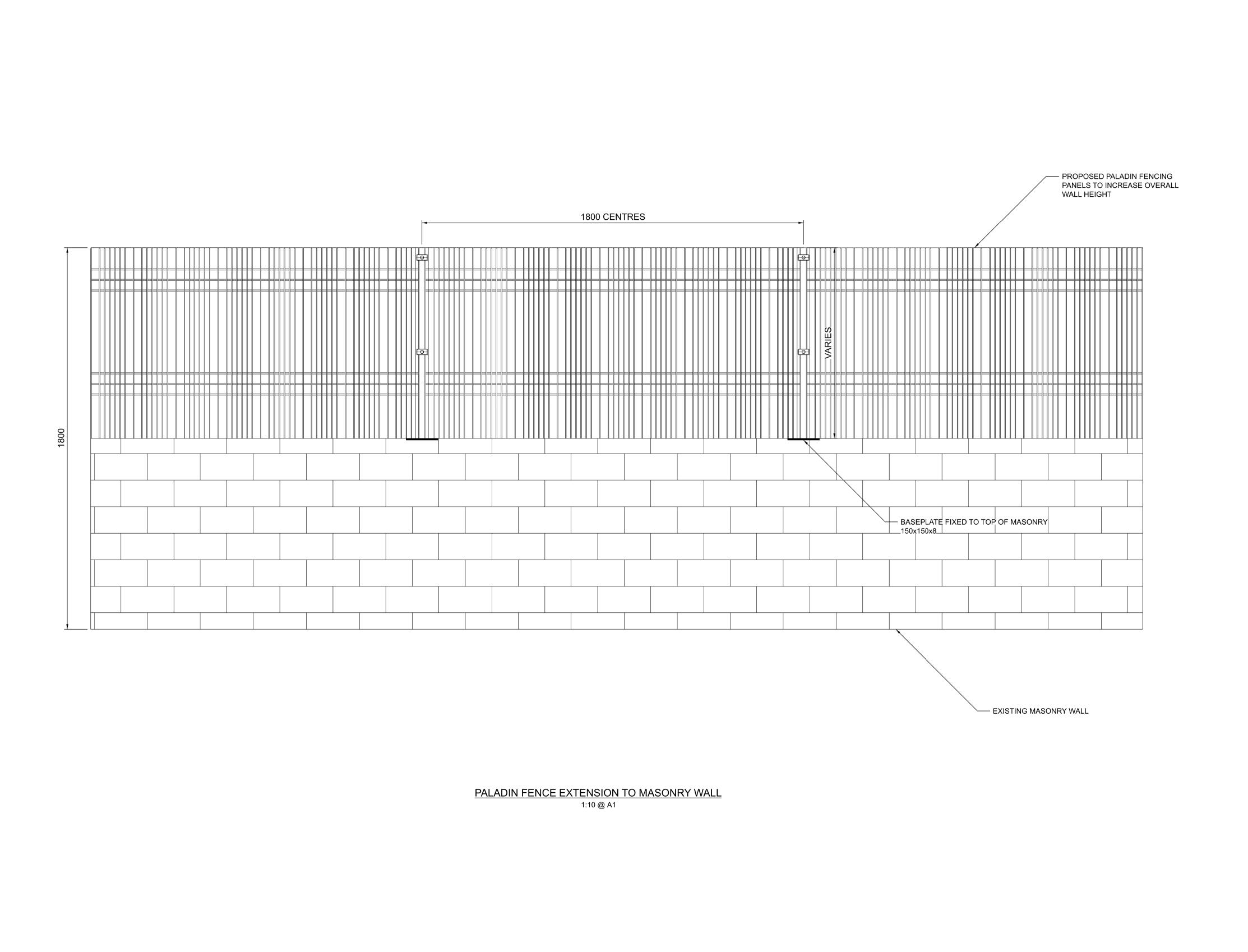
FENCING DETAILS POST AND WIRE FENCING

D+WP56-ARP-P4-NL-DR-RO-200003

279933-00 DO NOT SCALE USE FIGURED DIMENSIONS ONLY

QMS Code

1:40 @ A3 SF



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Description

PLANNING ISSUE

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D+WP56-ARP-P4-NL-DR-RO-200004

Drawing Title

Drawing File Name

FENCING DETAILS PALADIN FENCE EXTENSION TO MASONRY WALL

Sheet Number | Status

01 of 01

S3

P01

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NTA

Údarás Náisiúnta lompair
National Transport Authority

Tionscadal Éireann Project Ireland 2040

Originator Code

Date 11/07/2023

Project Code

larnród Éireann Irish Rail

QMS Code

1:20 @ A3 SF

Scale 1:10 @ A1 Drawn

Engineering Designer

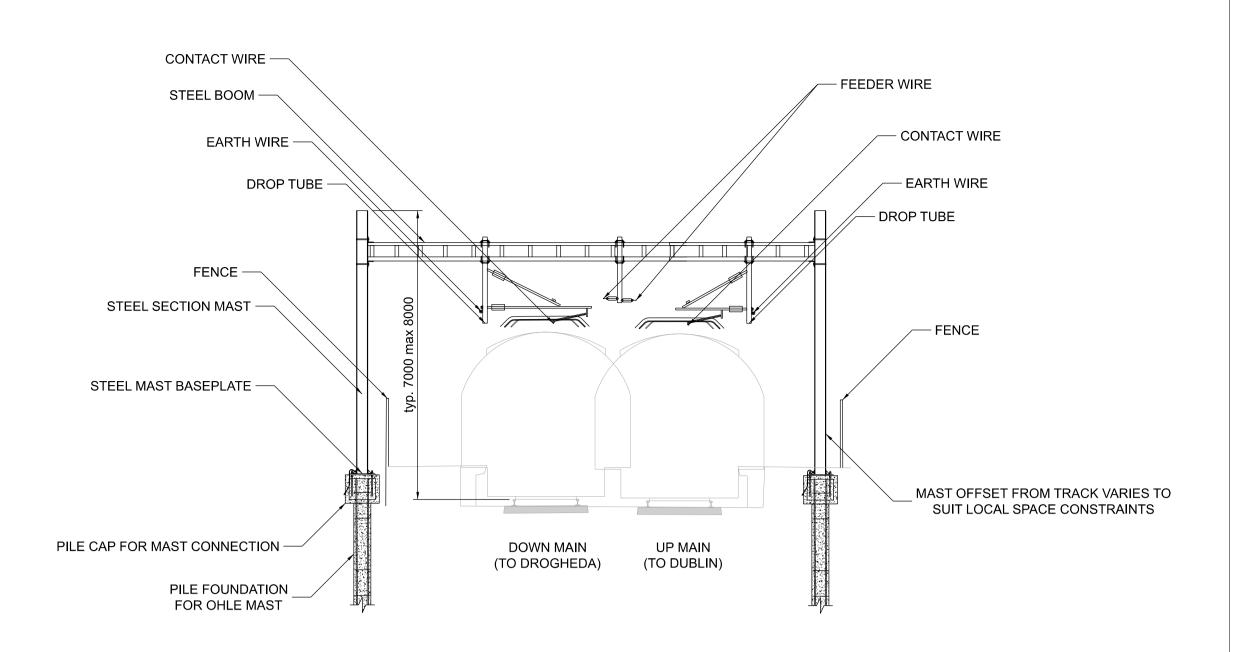
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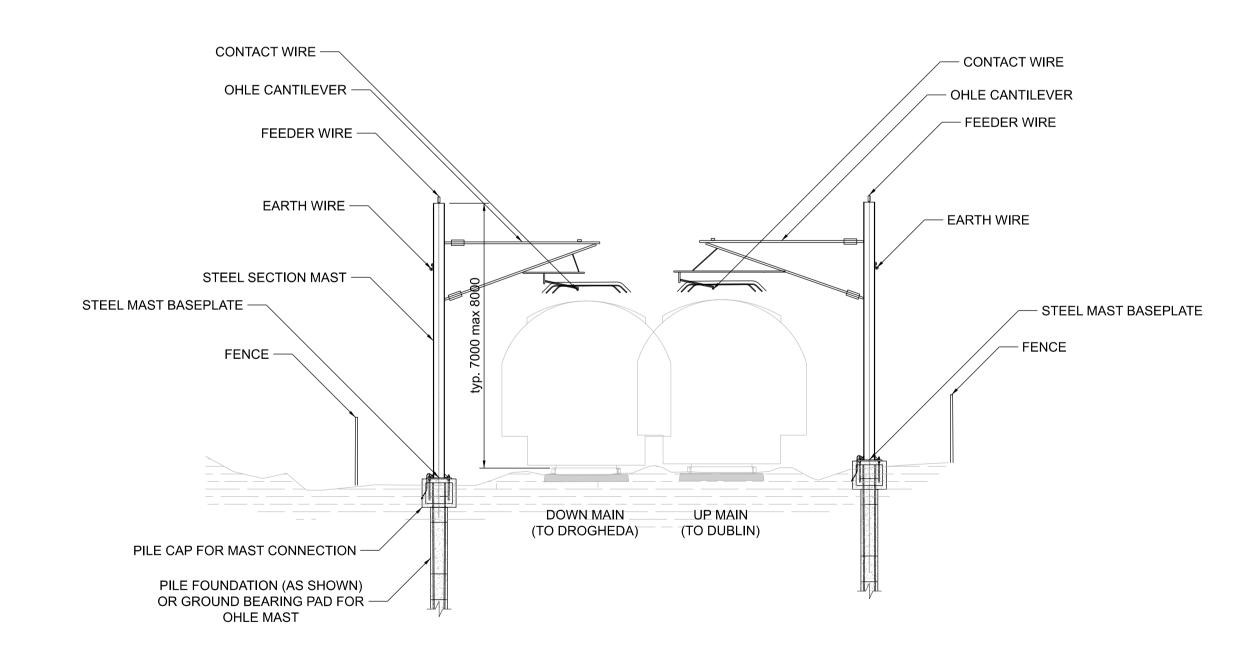
OHLE DETAILS



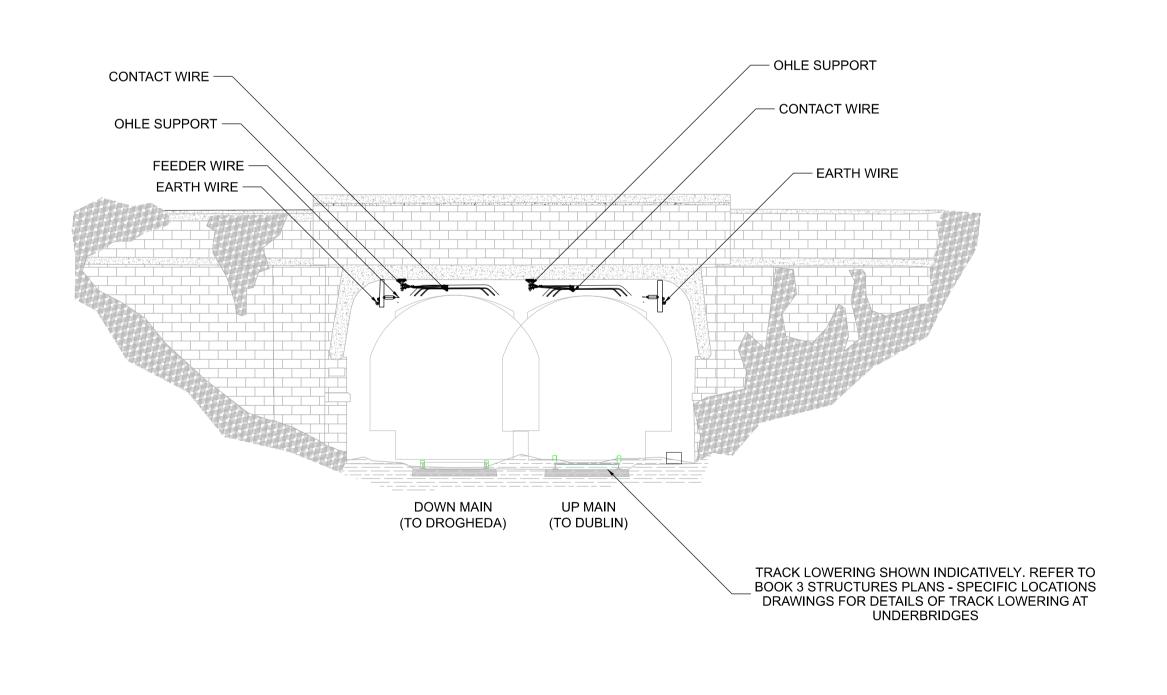
TYPICAL OHLE CROSS SECTION AT A STATION - PORTAL 1:100 @ A1

## CONTACT WIRE -OHLE CANTILEVER EARTH WIRE — — FEEDER WIRE STEEL SECTION MAST — MAST OFFSET FROM TRACK VARIES TO — CONTACT WIRE SUIT LOCAL SPACE CONSTRAINTS - EARTH WIRE FENCE — STEEL MAST BASEPLATE -PILE CAP FOR MAST CONNECTION -DOWN MAIN UP MAIN (TO DUBLIN) (TO DROGHEDA) PILE FOUNDATION FOR OHLE MAST

TYPICAL OHLE CROSS SECTION AT A STATION - TWIN TRACK CANTILEVER 1:100 @ A1



TYPICAL OHLE CROSS SECTION - BETWEEN STATIONS - SINGLE TRACK CANTILEVER 1:100 @ A1



TYPICAL OHLE CROSS SECTION - UNDERBRIDGES BETWEEN MALAHIDE AND DROGHEDA 1:100 @ A1

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DART+ COASTAL NORTH Drawing Title TYPICAL OHLE ARRANGEMENTS SHEET 1 OF 2

D+WP56-ARP-P4-NL-DR-RO-200010

Sheet Number | Status 01 of 02 S3

**NOTES** 

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DRAWINGS.

LEGEND

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3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM

4. LINESIDE CIVILS ELEMENTS SUCH AS SURFACE TROUGHS

ARE NOT SHOWN. FOR DETAILS OF LINESIDE CIVILS

BOOK 3 STRUCTURES PLANS - LINEAR WORKS.

EXISTING ELEMENTS

PROPOSED ELEMENTS

ELEMENTS TO BE REMOVED

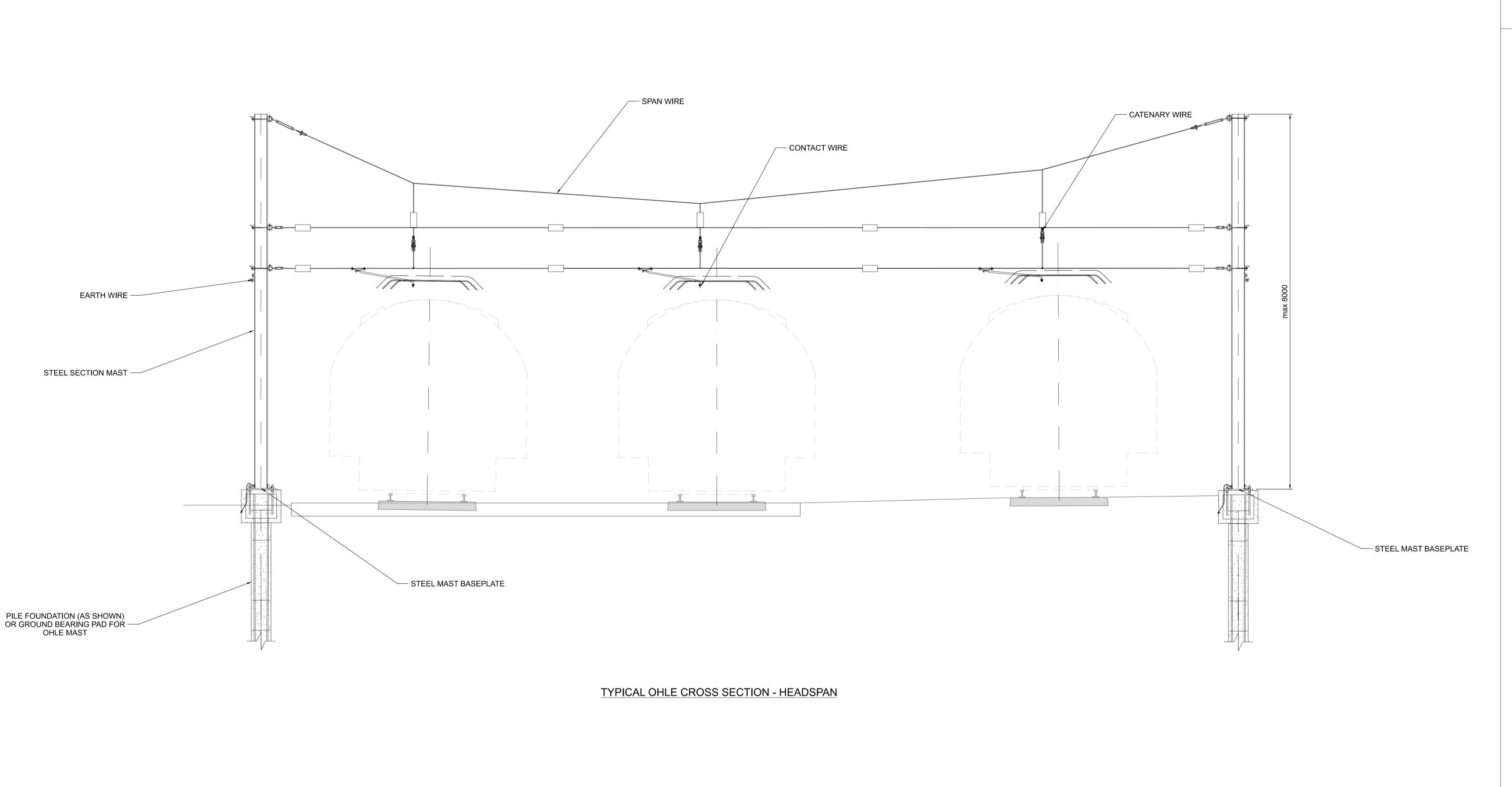
ELEMENTS INCLUDING TROUGHING ROUTES REFER TO

FOR DETAILS OF OHLE STRUCTURES AT VIADUCTS AND

CLONGRIFFIN AND MALAHIDE STATIONS REFER TO

BOOK 3 STRUCTURES PLANS - SPECIFIC LOCATIONS

AT THE PROPOSED RETAINING WALLS IN THE VICINITY OF



- 1. DO NOT SCALE FROM THIS DRAWING
- 2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- 3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (MOD) UNLESS OTHERWISE STATED.
- 4. LINESIDE CIVILS ELEMENTS SUCH AS SURFACE TROUGHS ARE NOT SHOWN. FOR DETAILS OF LINESIDE CIVILS ELEMENTS INCLUDING TROUGHING ROUTES REFER TO BOOK 3 STRUCTURES PLANS - LINEAR WORKS.
- 5. FOR DETAILS OF OHLE STRUCTURES AT VIADUCTS AND AT THE PROPOSED RETAINING WALLS IN THE VICINITY OF CLONGRIFFIN AND MALAHIDE STATIONS REFER TO BOOK 3 STRUCTURES PLANS - SPECIFIC LOCATIONS DRAWINGS.

**LEGEND** 

EXISTING ELEMENTS

PROPOSED ELEMENTS

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Rev	Date	Drn	Chk'd	App'd	Description	Client
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						Date 06/10/2023
						Project Code
						Project Code D+WP56

Project Title Scale 1:50 @ A1 Drawn

Checked Approved 1:100 @ A3 | C. Lázaro | A. Raya C. Cox Originator Code QMS Code Drawing File Name

DART+ COASTAL NORTH Drawing Title TYPICAL OHLE ARRANGEMENTS SHEET 2 OF 2

D+WP56-ARP-P4-NL-DR-RO-200011

Sheet Number | Status

02 of 02

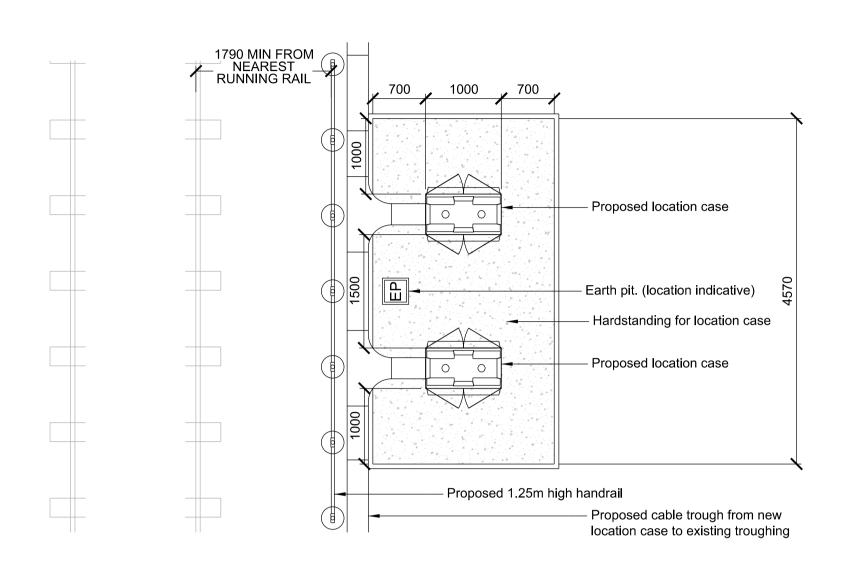
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D+WP56 280275-00 DO NOT SCALE USE FIGURED DIMENSIONS ONLY

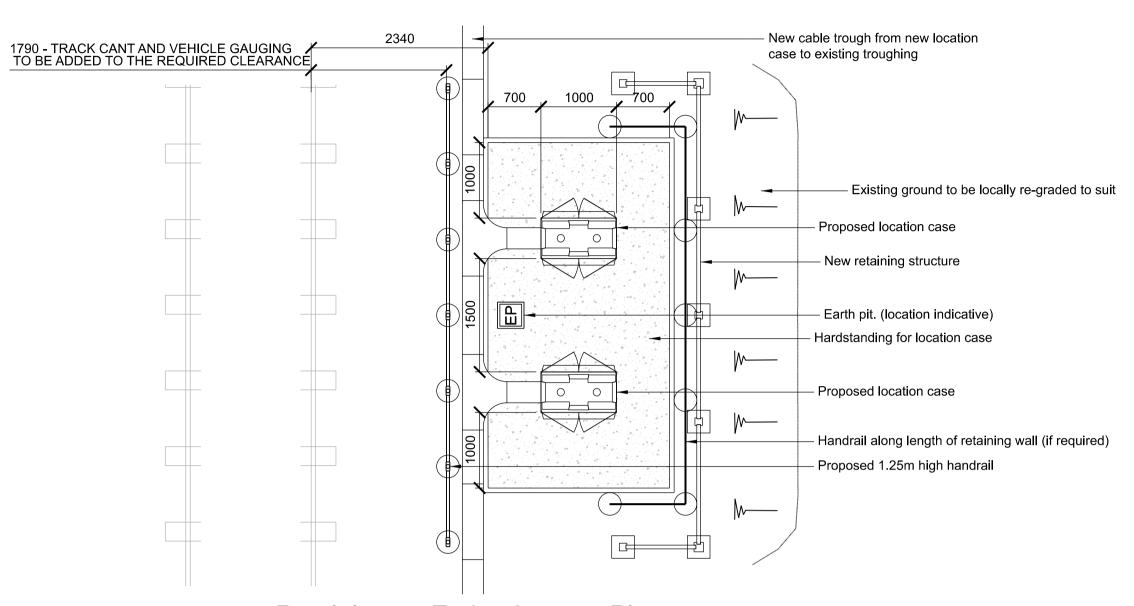
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LINESIDE CIVILS
DETAILS

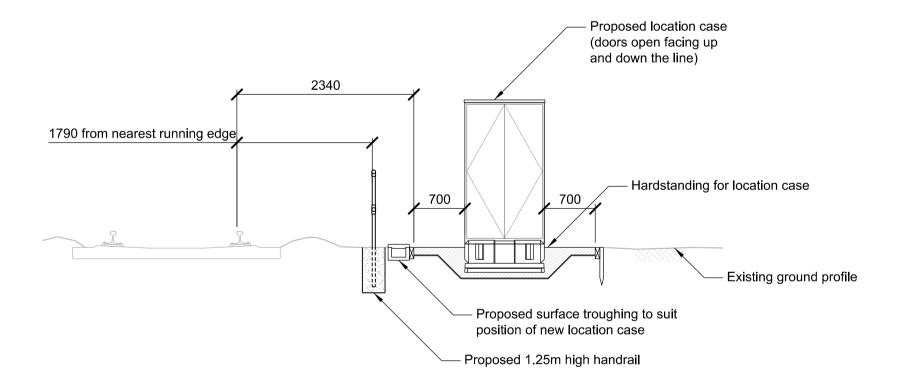
- 1. Do note scale from this drawing.
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- 3. This drawing shall be read in conjuction with the other drawings included in this series.
- 4. Refer to Book 3 Linear Works Plans for location of Lineside Civil Infrastruture.



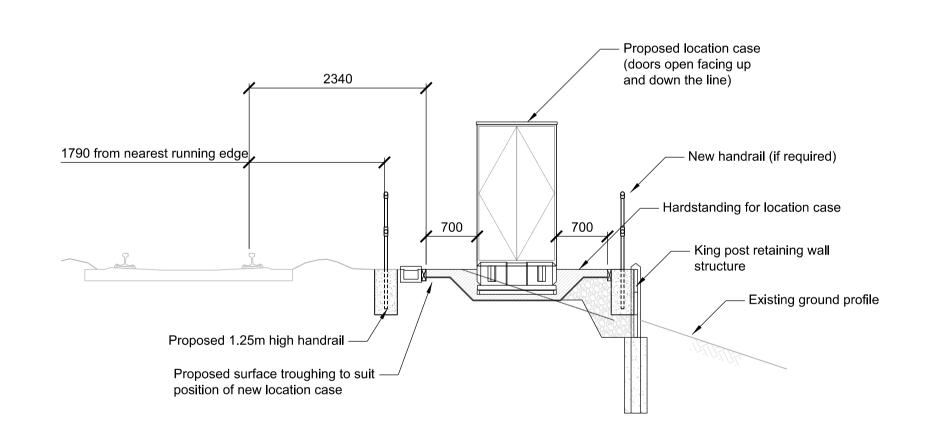
Level Ground - Plan Scale 1:50



Retaining on Embankment - Plan Scale 1:50



Level Ground - Section Scale 1:50



Retaining on Embankment



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Date Drn Chk'd App'd Description P01 24/11/2023 JS EJ DB PLANNING ISSUE

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DART+ COASTAL NORTH Drawing Title

Drawing File Name

Project Title

LINESIDE CIVILS CABINET **GENERAL DETAILS 1** 

D+WP56-ARP-P4-NL-DR-RO-200021

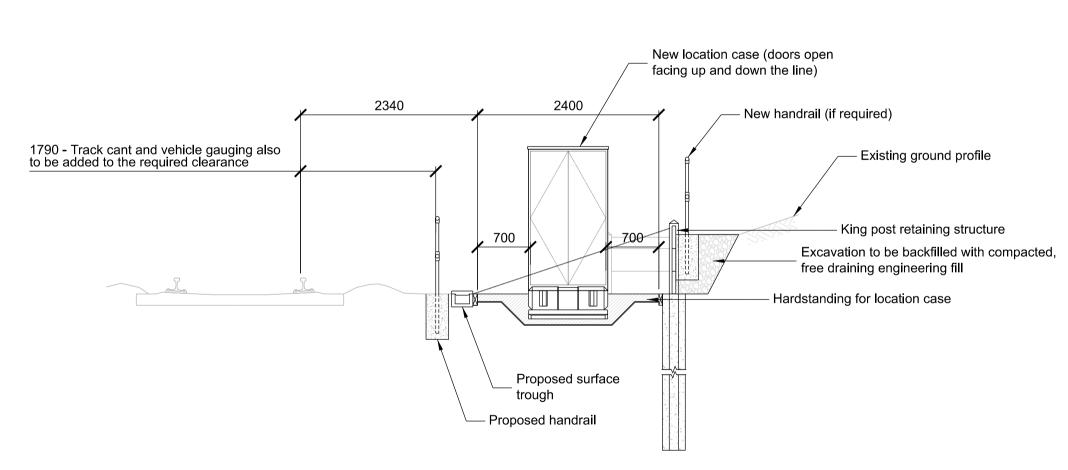
Sheet Number Status

1 of 1 S3

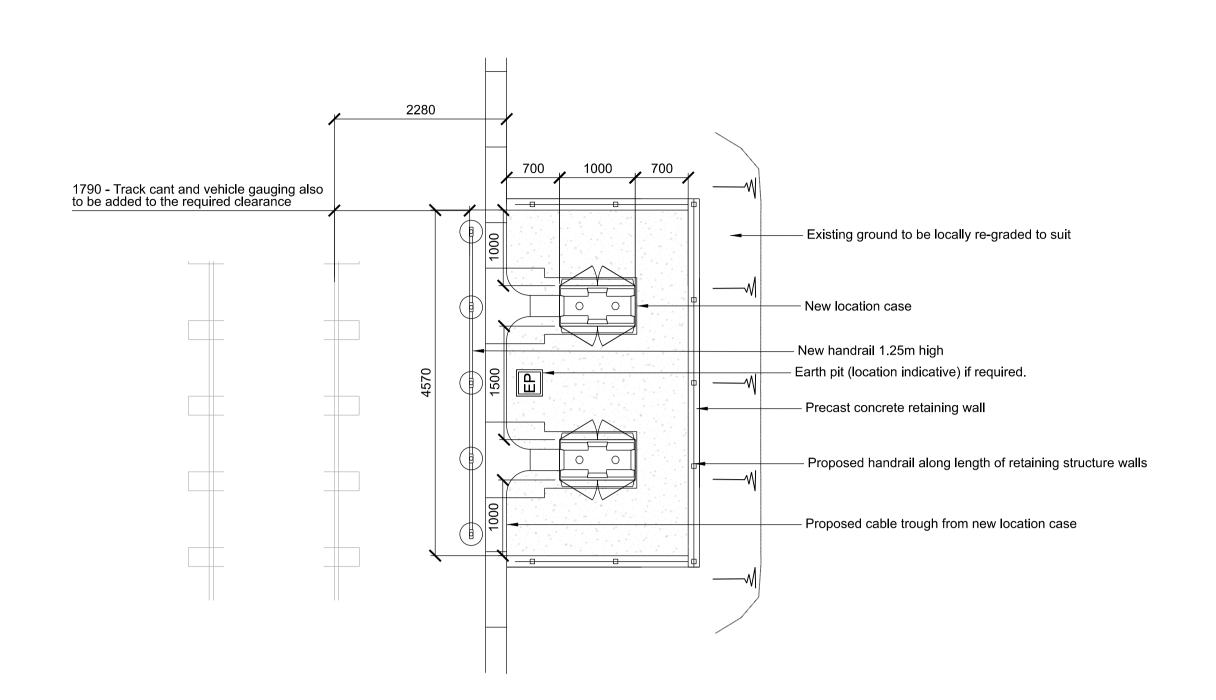
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AS SHOWN @ A3 JS

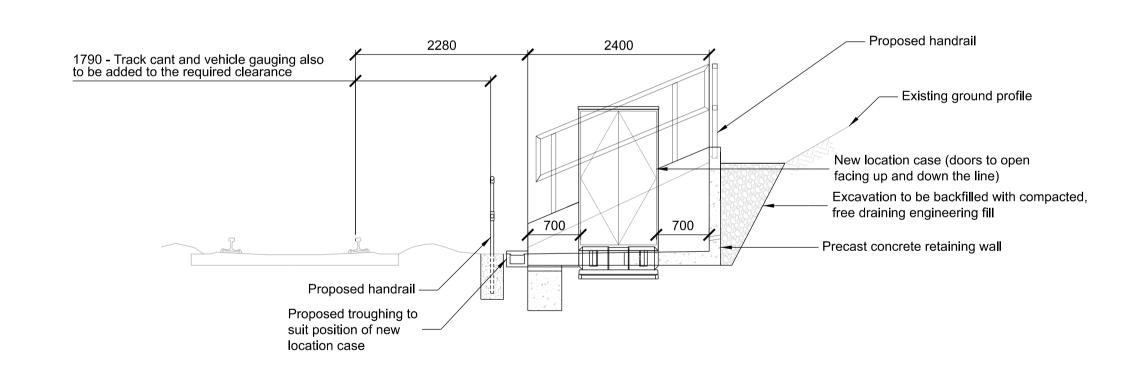




2 Cabinets
Retaining in Cutting (King Post Wall) - Section



Retaining in Cutting - Plan
Scale 1:50

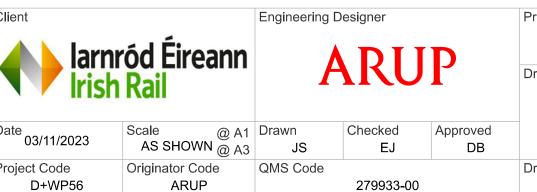


2 Cabinets Retaining in Cutting (Pre-cast Concrete Wall) - Section





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Project Title

DART+ COASTAL NORTH

Drawing Title

LINESIDE CIVILS CABINET
GENERAL DETAILS 2

Drawing File Name
D+WP56-ARP-P4-NL-DR-RO-200022

Sheet Number
1 of 1 S3 P01

Notes:

1. Do note scale from this drawing.

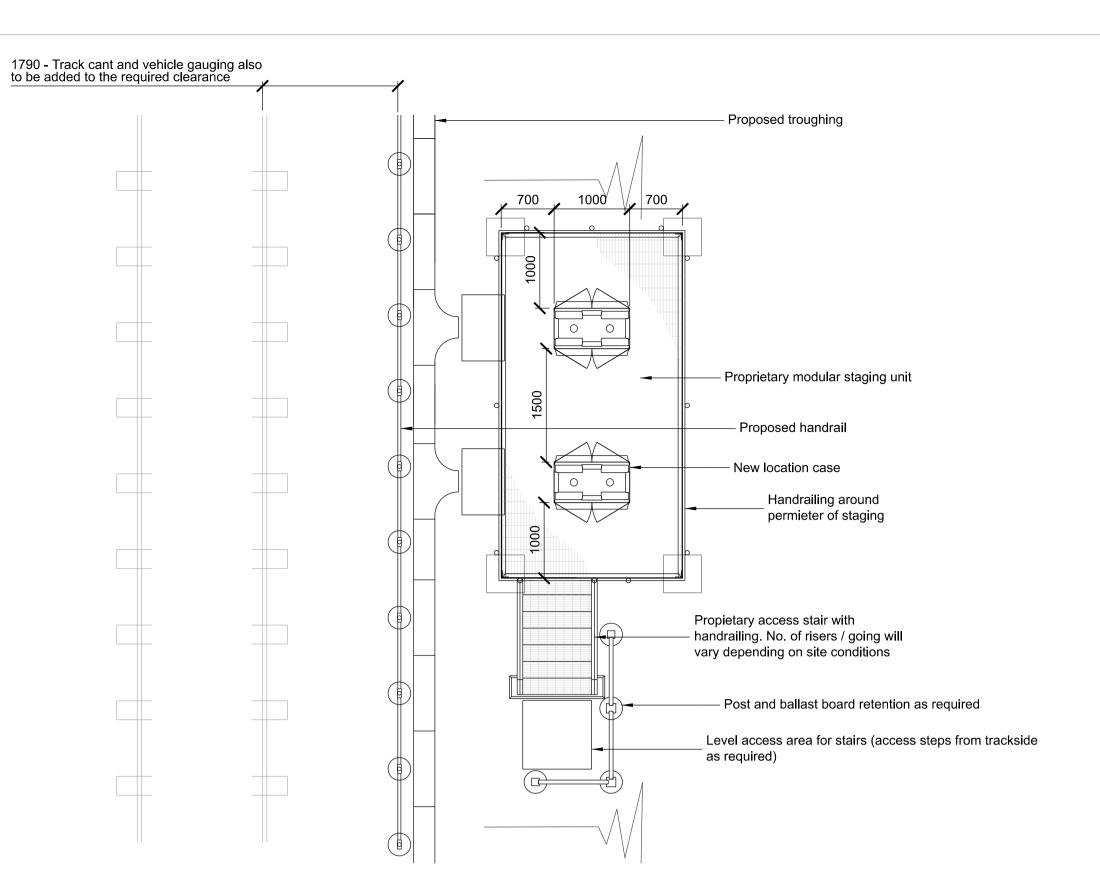
drawings included in this series.

Lineside Civil Infrastruture

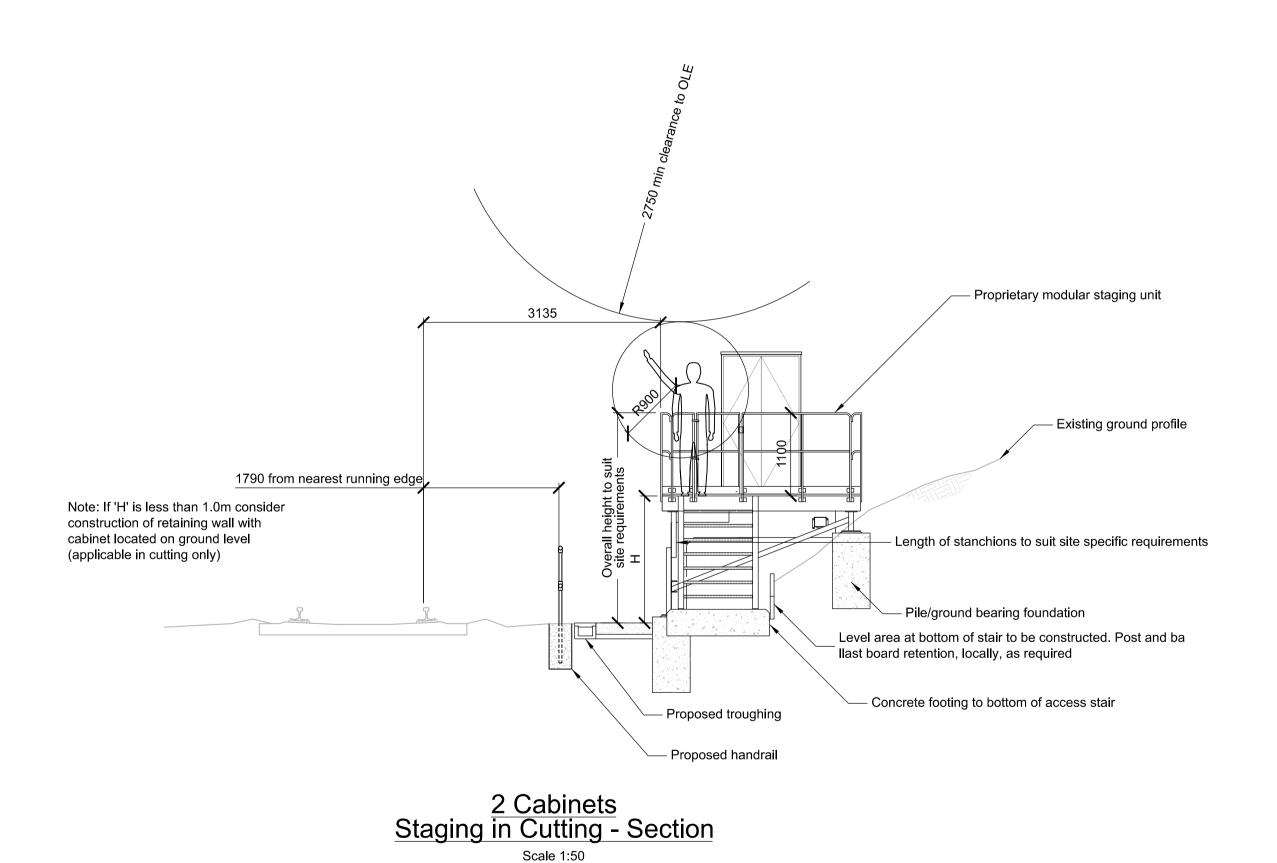
2. All dimensions are in millimeters (mm) and all levels are in meters (m) unless otherwise stated.

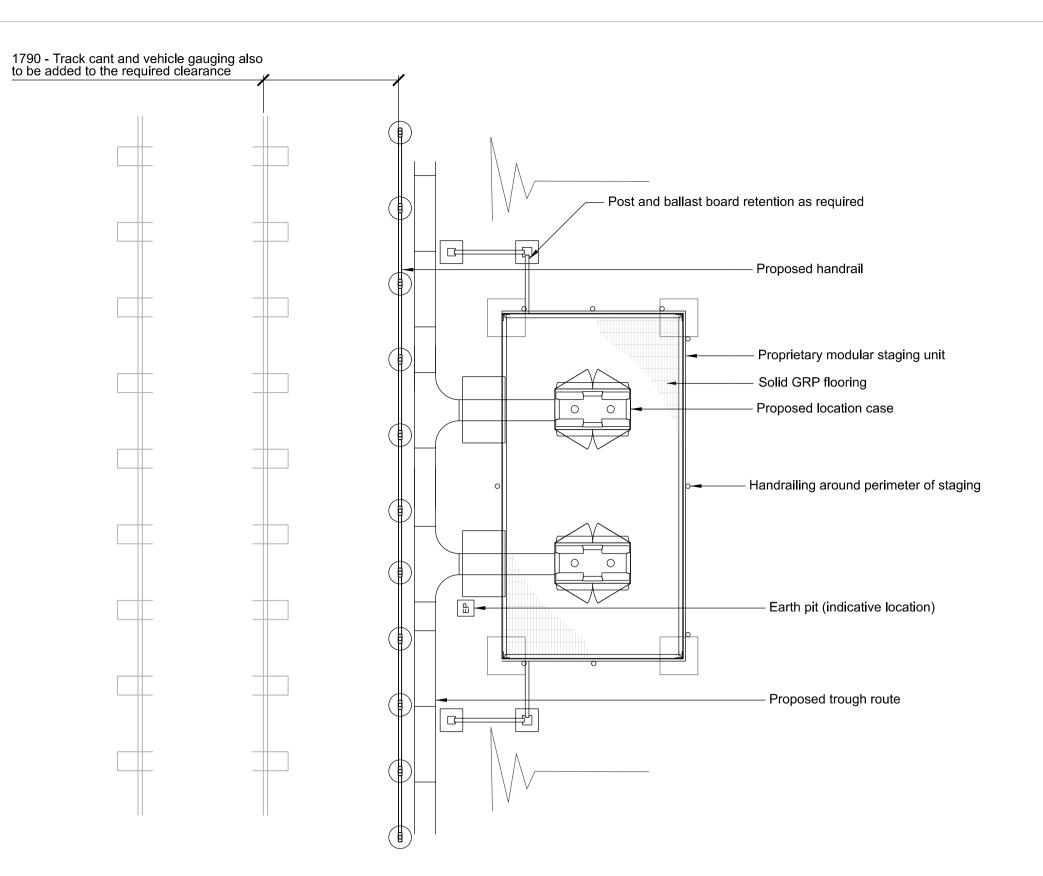
3. This drawing shall be read in conjuction with the other

4. Refer to Book 3 Linear Works Plans For Location of

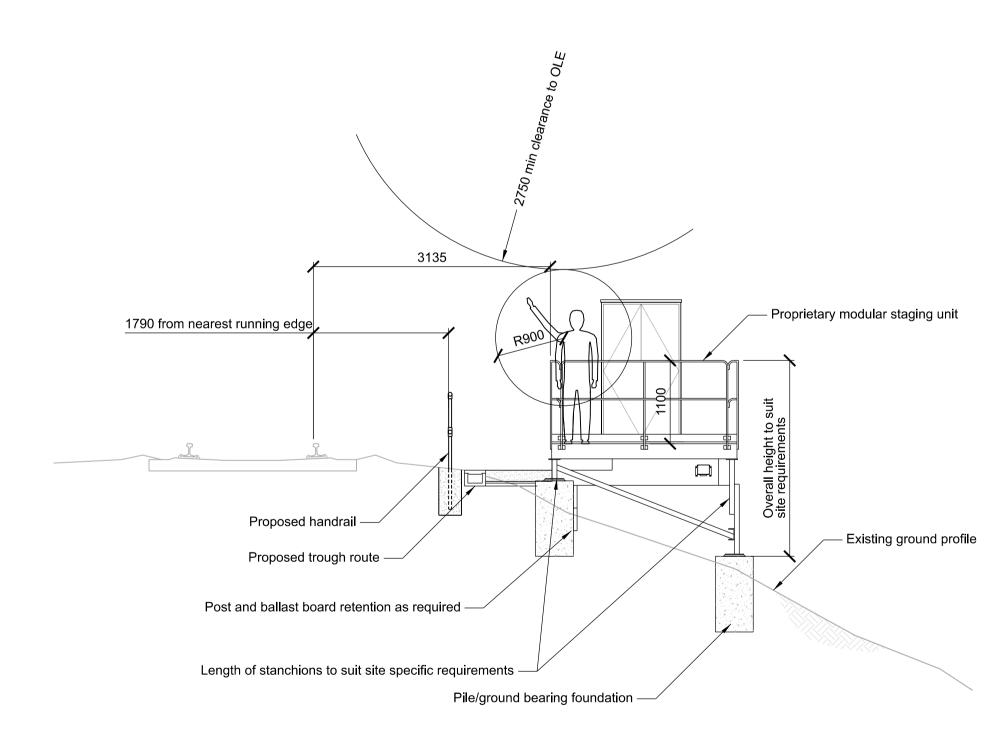


Staging in Cutting - Plan
Scale 1:50





Staging on Embankment - Plan



2 Cabinets Staging on Embankments





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Project Code D+WP56	Originator Code ARUP	QMS Code	279933-00		

Project Title

Dart + Coastal North

Drawing Title

LINESIDE CIVILS CABINET
GENERAL DETAILS 3

Drawing File Name
D+WP56-ARP-P4-NL-DR-RO-200023

Sheet Number Status Rev
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1 of 1 S3 P01

Notes:

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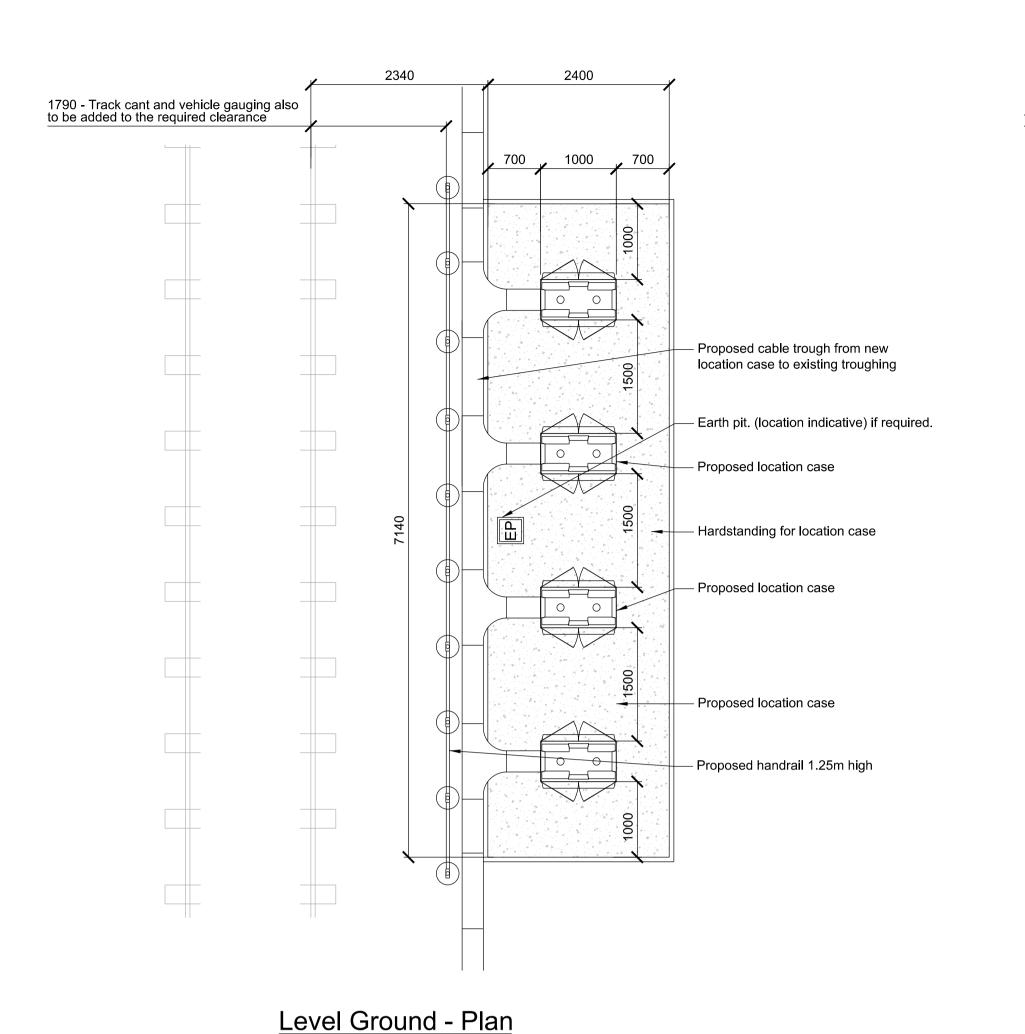
Lineside Civil Infrastruture.

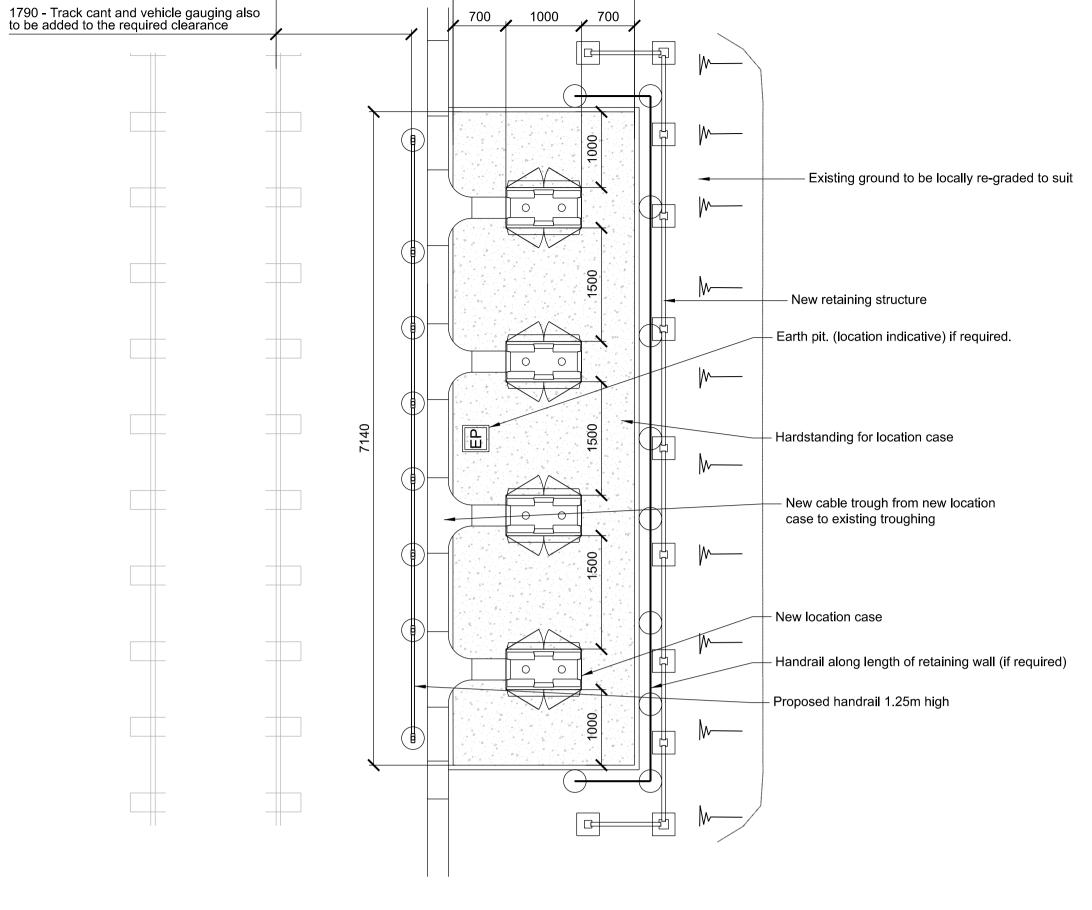
2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

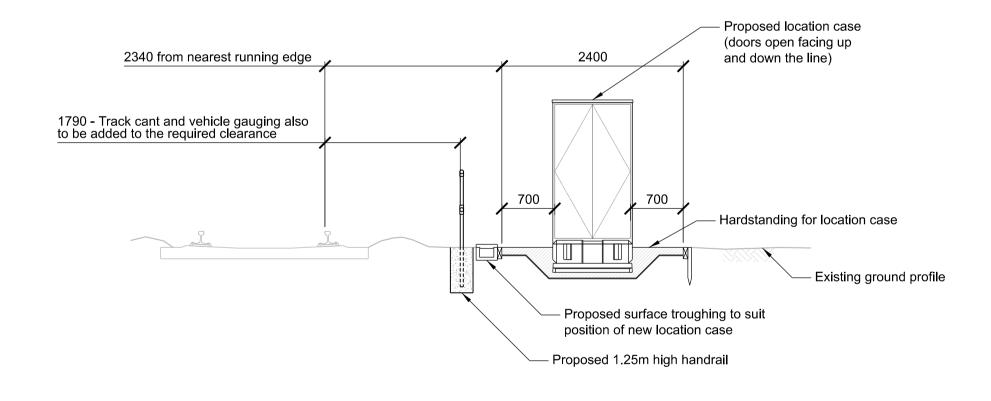
4. Refer to Book 3 Linear Works Plans for location of

are in meters (m) unless otherwise stated.



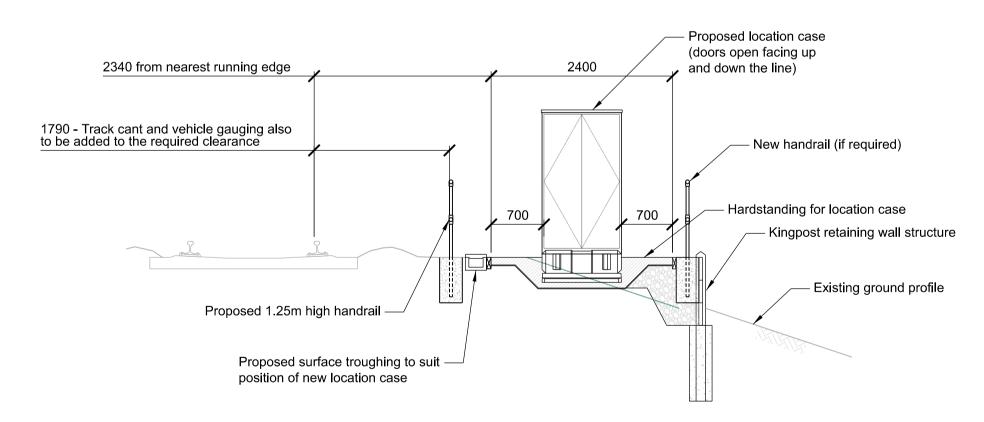


Retaining on Embankment - Plan
Scale 1:50



Scale 1:50

4 Cabinets Level Ground - Section Scale 1:50



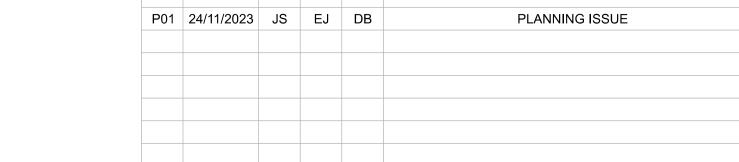
<u>A Cabinets</u>
Retaining on Embankment - Section

Description

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Date Drn Chk'd App'd



Project Code

D+WP56

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Project Title

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Drawing Title

Notes:

1. Do note scale from this drawing.

drawings included in this series.

Lineside Civil Infrastruture.

2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

4. Refer to Book 3 Linear Works Plans for location of

are in meters (m) unless otherwise stated.

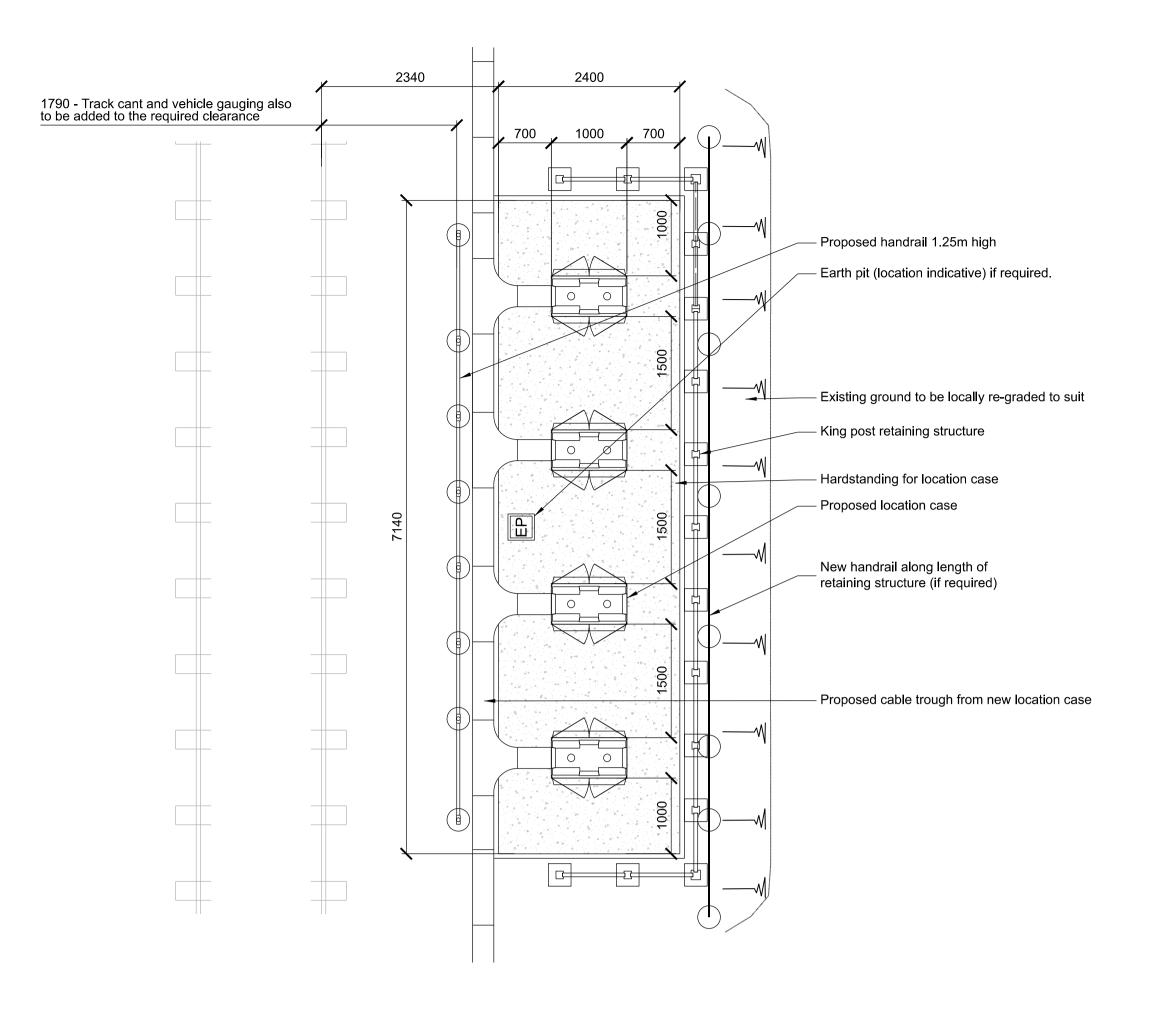
LINESIDE CIVILS CABINET GENERAL DETAILS 4

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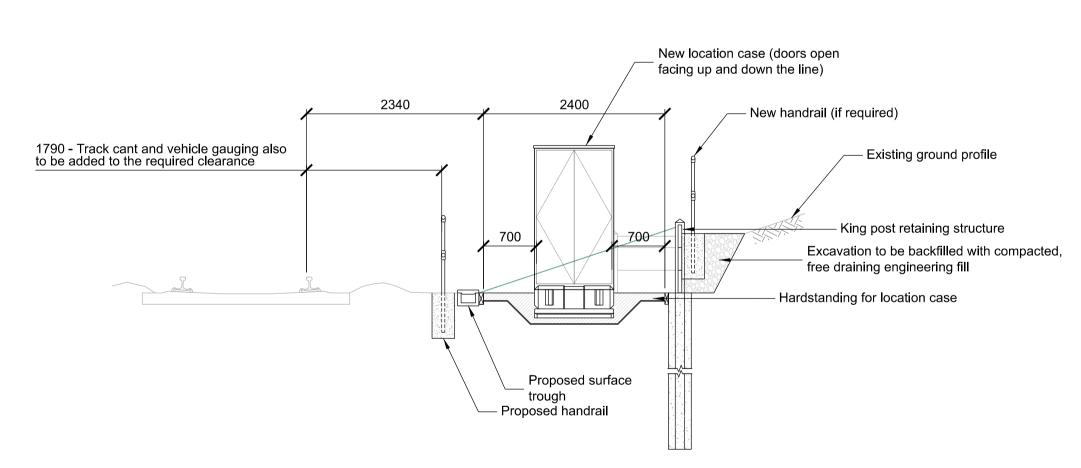
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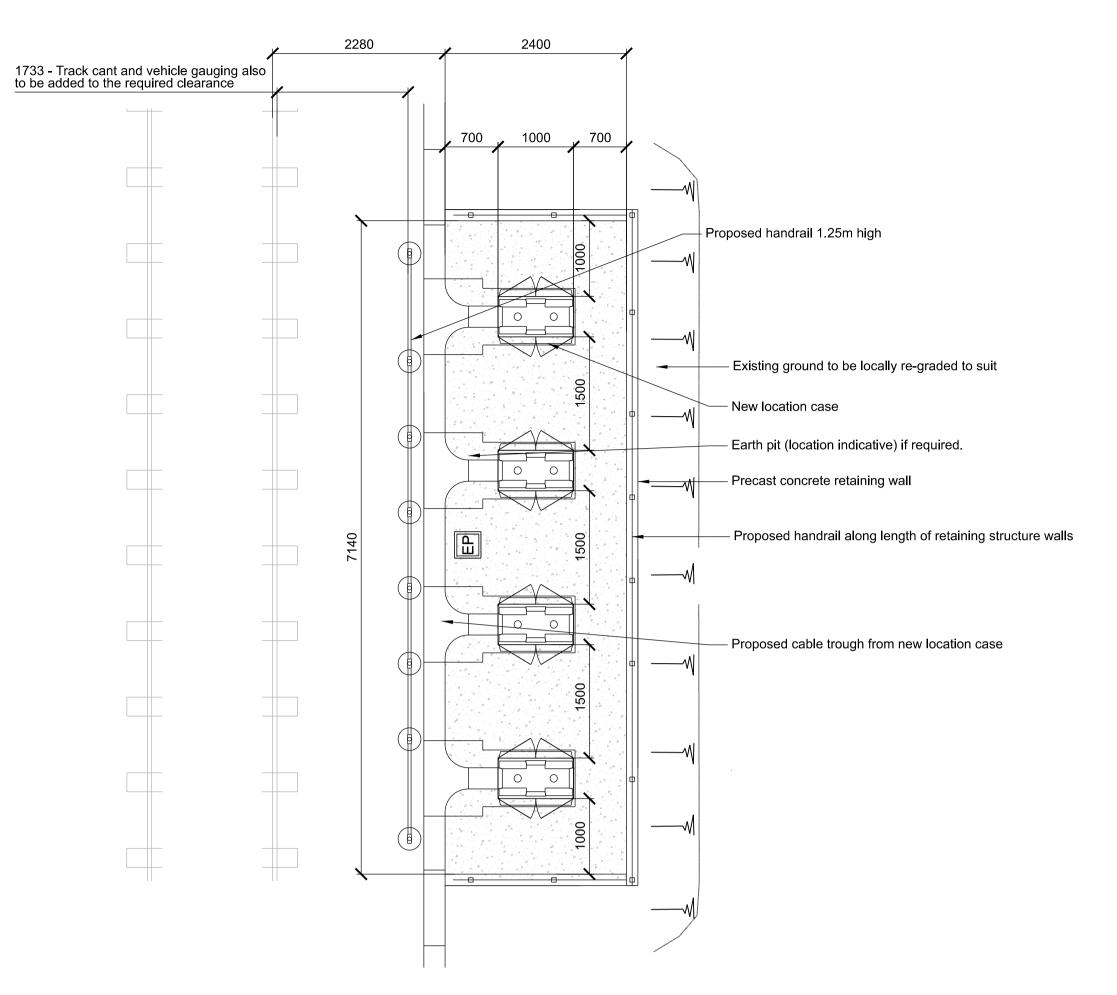
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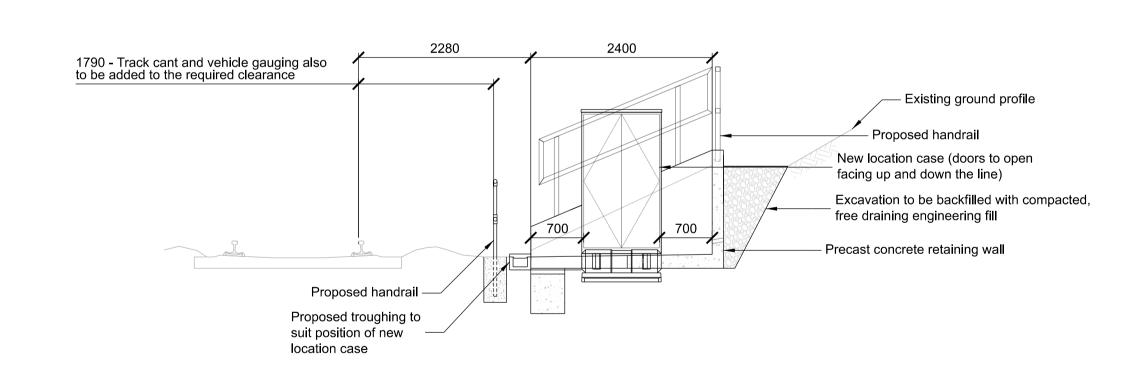
Retaining in Cutting - Plan
Scale 1:50



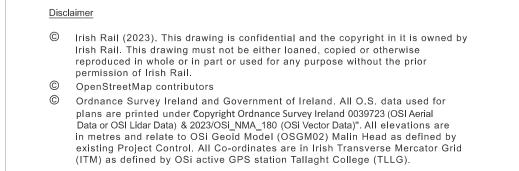
4 Cabinets
Retaining in Cutting (King Post Wall) - Section



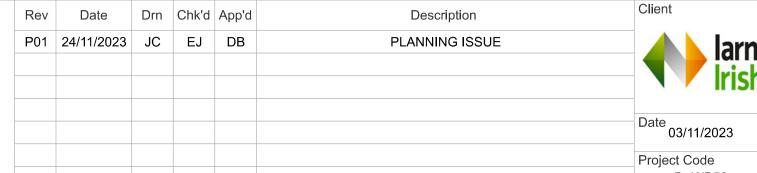
Retaining in Cutting - Plan
Scale 1:50

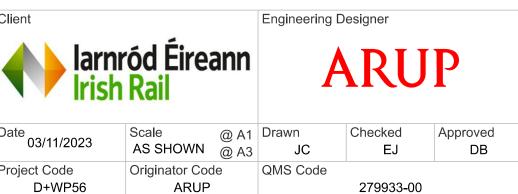


4 Cabinets
Retaining in Cutting (Pre-cast Concrete Wall) - Section









Project Title

DART+ COASTAL NORTH

Drawing Title

LINESIDE CIVILS CABINET
GENERAL DETAILS 5

Drawing File Name
D+WP56-ARP-P4-NL-DR-RO-200027

Sheet Number
1 of 1 S3 P01

Notes

1. Do note scale from this drawing.

drawings included in this series.

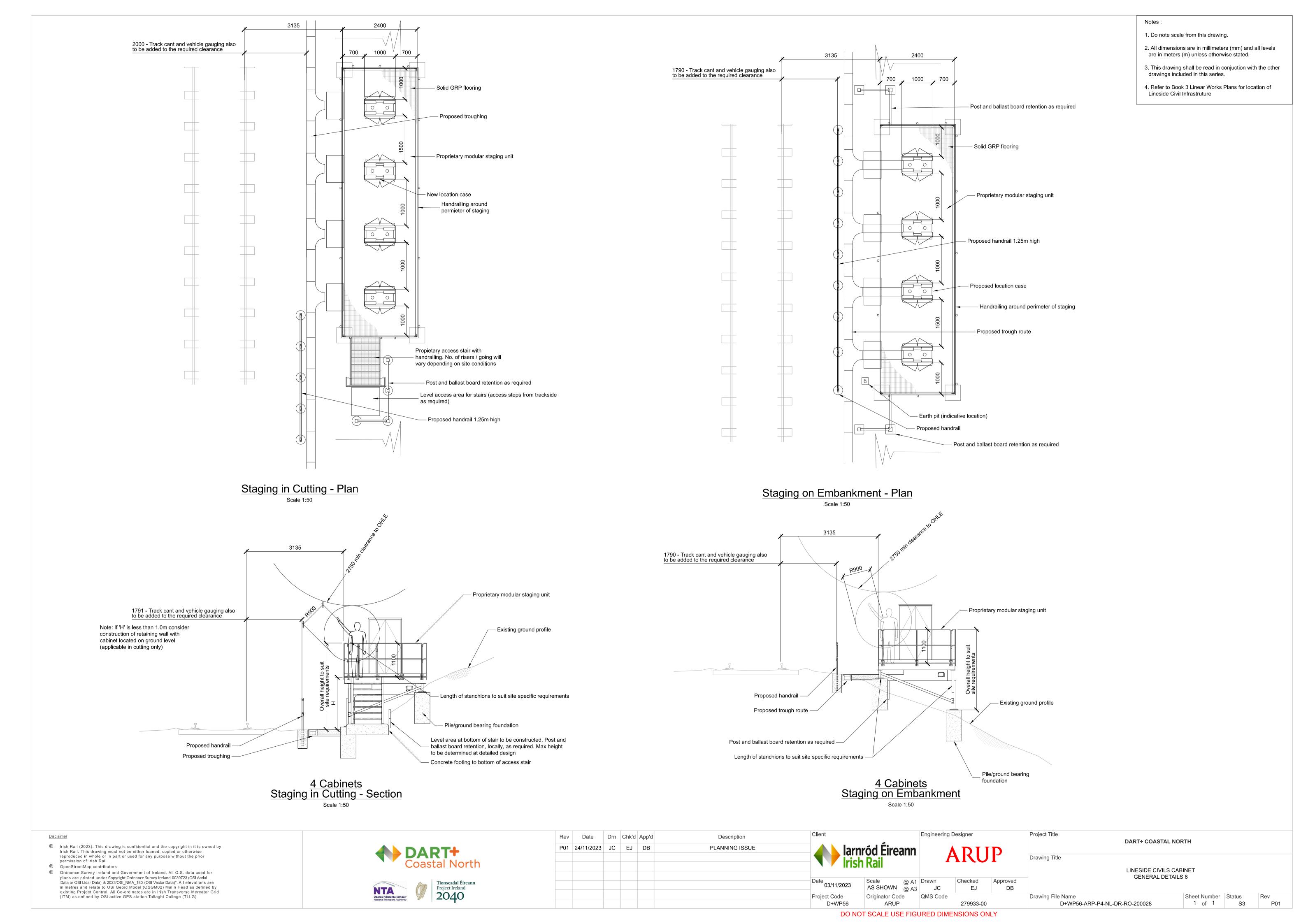
Lineside Civil Infrastruture.

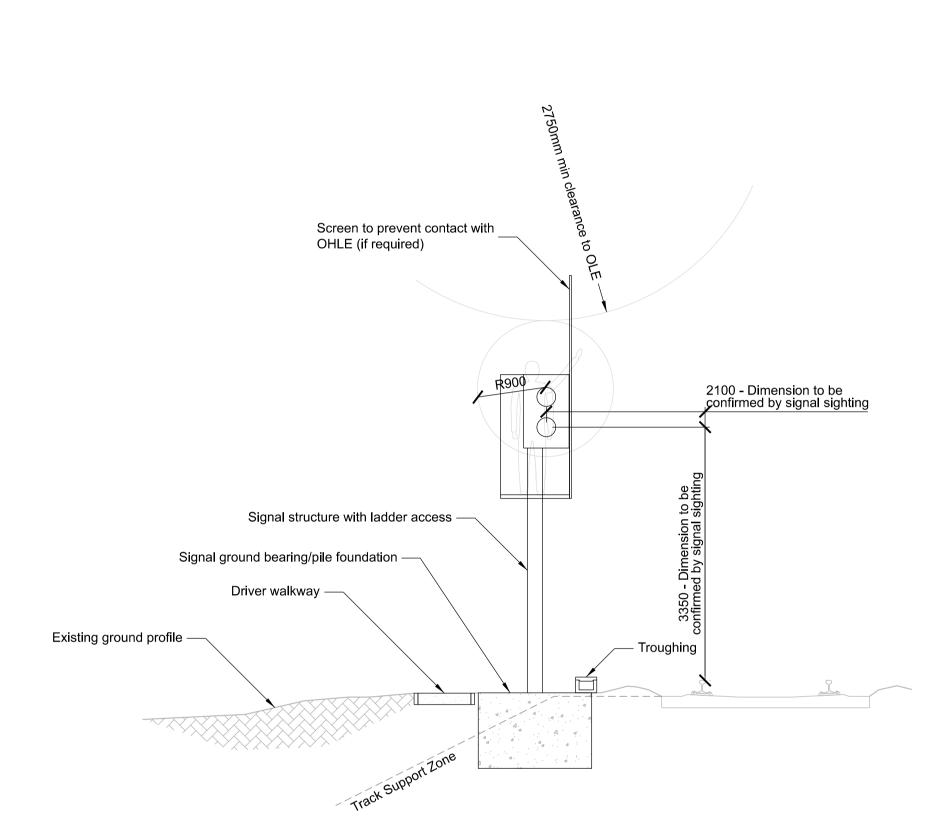
2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

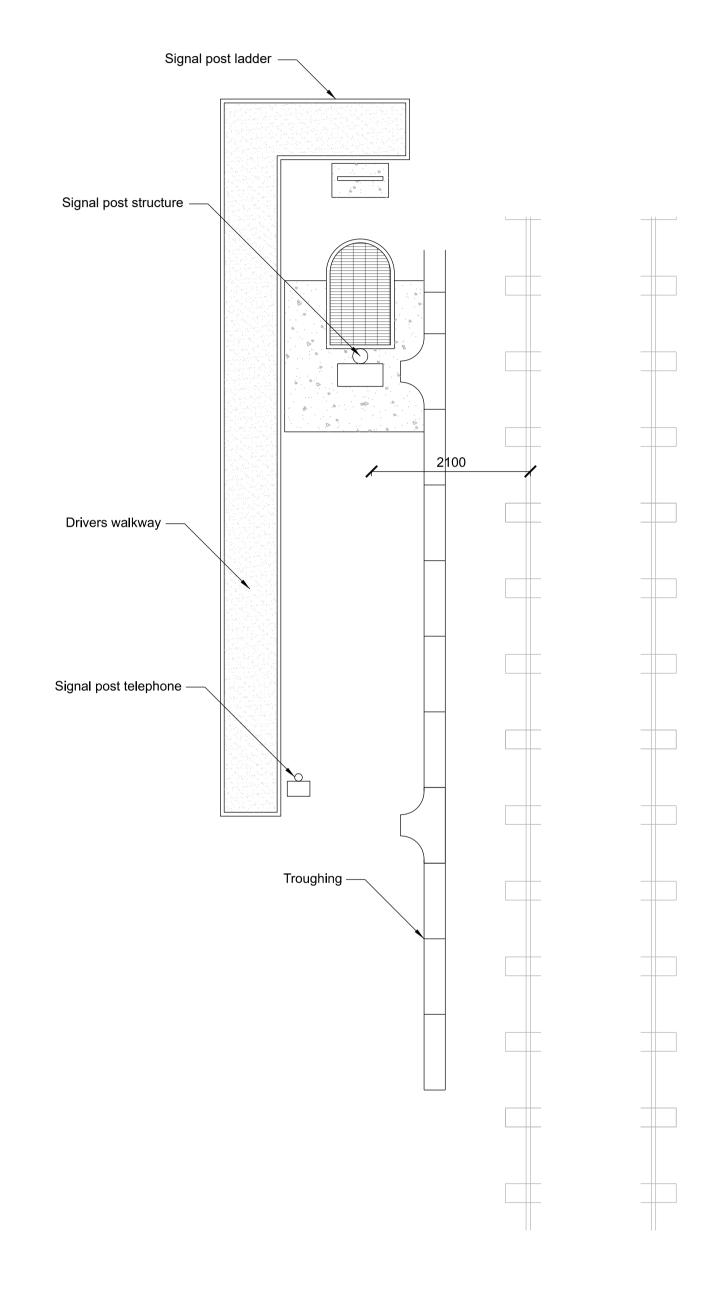
4. Refer to Book 3 Linear Works Plans for location of

are in meters (m) unless otherwise stated.





Typical Section Through Signal



Plan View on Typical Signal Structure
Scale 1:50



Notes

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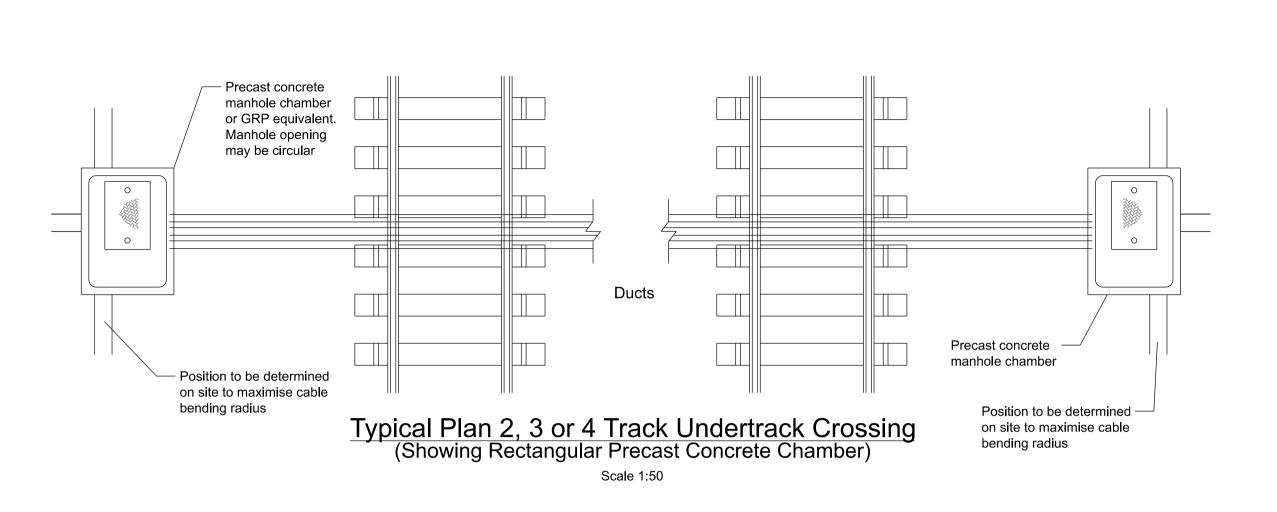
Lineside Civil Infrastruture

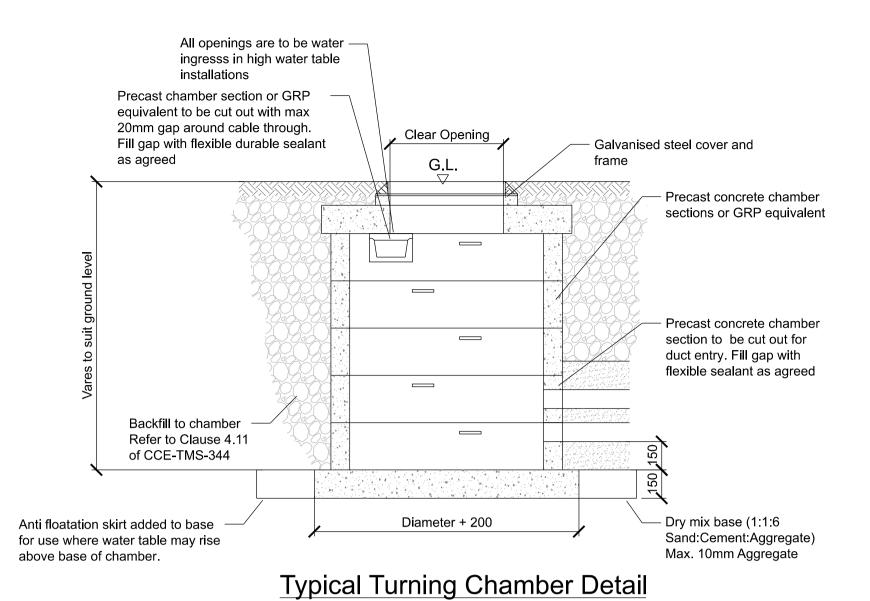
2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

4. Refer to Book 3 Linear Works Plans for location of

are in meters (m) unless otherwise stated.

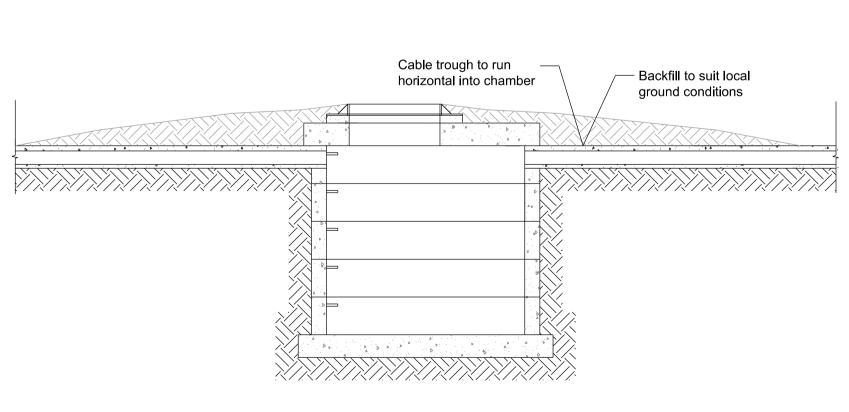




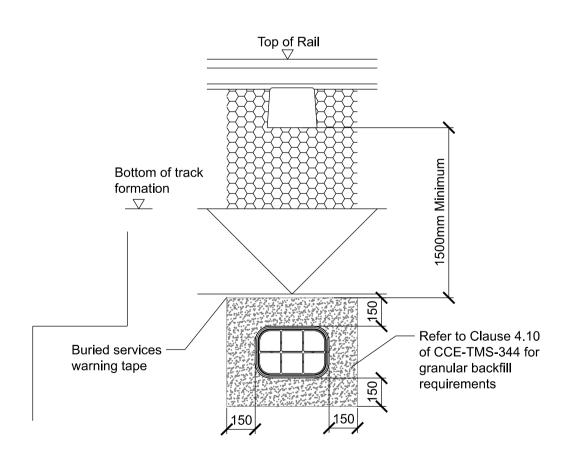
Scale 1:20

Position of cable trough entry to be decided on site to maximise bending radius 1410 Min Varies Track Ballast Backfill Geogrid layer Buried services warning tape - Minimum 100mm I.D. ducts set in 150mm THK bed and surround. Refer to Clause 4.10 of CCE-TMS-344

Section 2, 3 or 4 Track Undertrack Crossing



Section B-B - Typical Detail



Alternative Section Showing Typical Multi-Duct Conduit of 6 Ducts

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Client	Description	App'd	Chk'd	Drn	Date	Rev
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1 1113						
Date						
03/11/2023						
Project Code D+WP56						
D+WP56						

Project Title DART+ COASTAL NORTH Drawing Title LINESIDE CIVILS UNDERTRACK CROSSING **GENERAL DETAILS SHEET 1** Scale @ A1 Drawn
AS SHOWN @ A3 JS Checked Approved EJ DB QMS Code D+WP56-ARP-P4-NL-DR-RO-200025 279933-00

Sheet Number | Status

S3

1 of 6

Notes:

1. Do note scale from this drawing.

drawings included in this series.

Lineside Civil Infrastruture

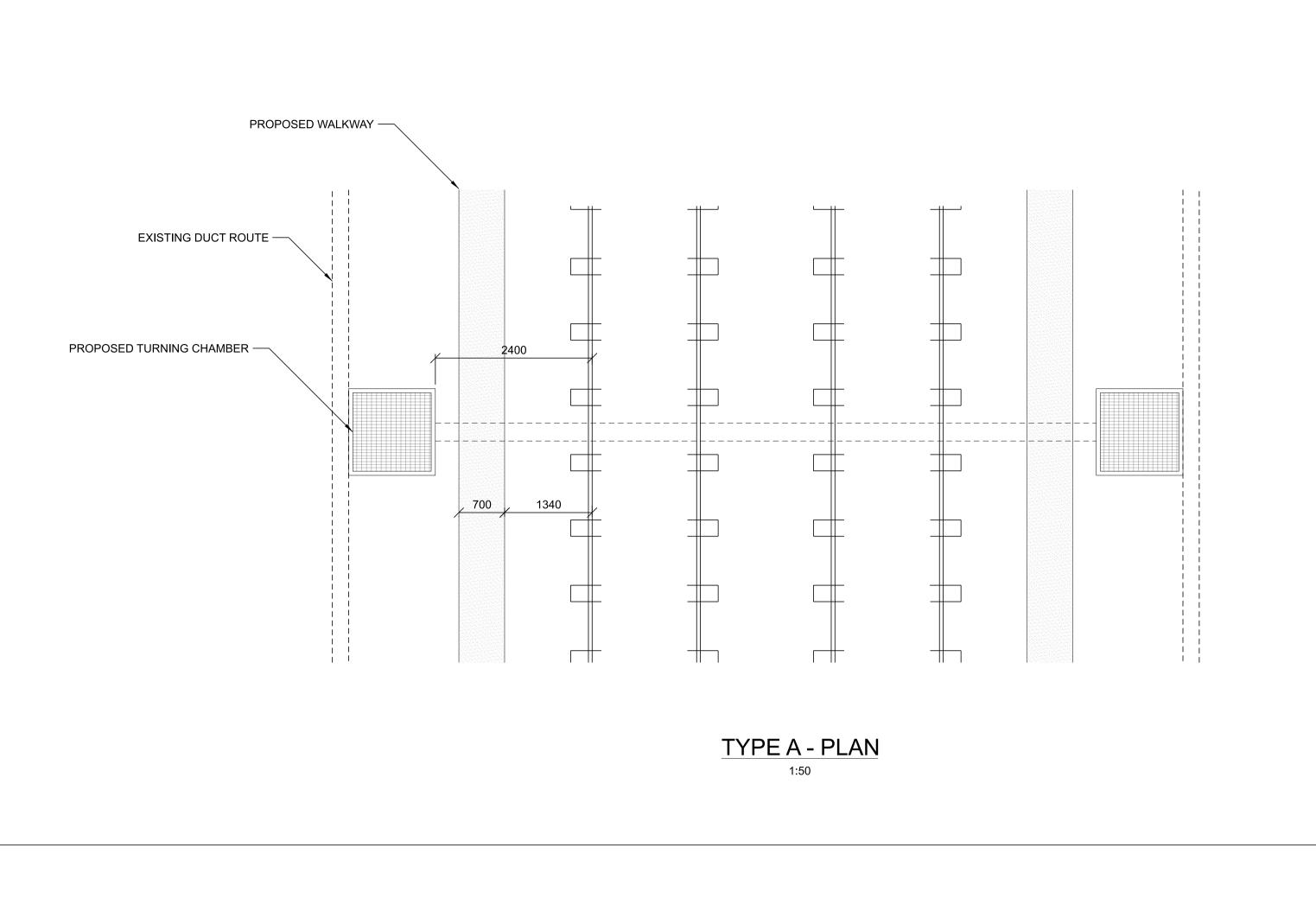
are in meters (m) unless otherwise stated.

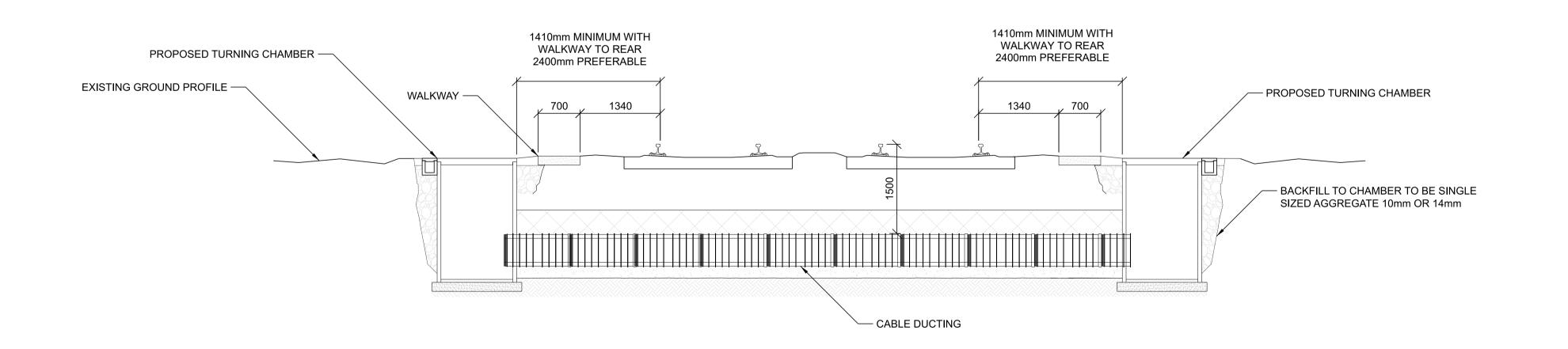
2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

4. Refer to Book 3 Linear Works Plans For Location of

larnród Éireann Irish Rail





# TYPE A - SECTION

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Rev Date Drn Chk'd App'd Description

P01 24/11/2023 SF EJ DB PLANNING ISSUE

Date 03/11/2023

Project Code D+WP56

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279933-00

Checked Approved

Drawing Title

LINESIDE CIVILS UNDERTRACK CROSSING GENERAL DETAILS SHEET 2

DART+ COASTAL NORTH

1. Do note scale from this drawing.

drawings included in this series.

Lineside Civil Infrastruture.

2. All dimensions are in millimeters (mm) and all levels

3. This drawing shall be read in conjuction with the other

4. Refer to Book 3 Linear Works Plans for location of

are in meters (m) unless otherwise stated.

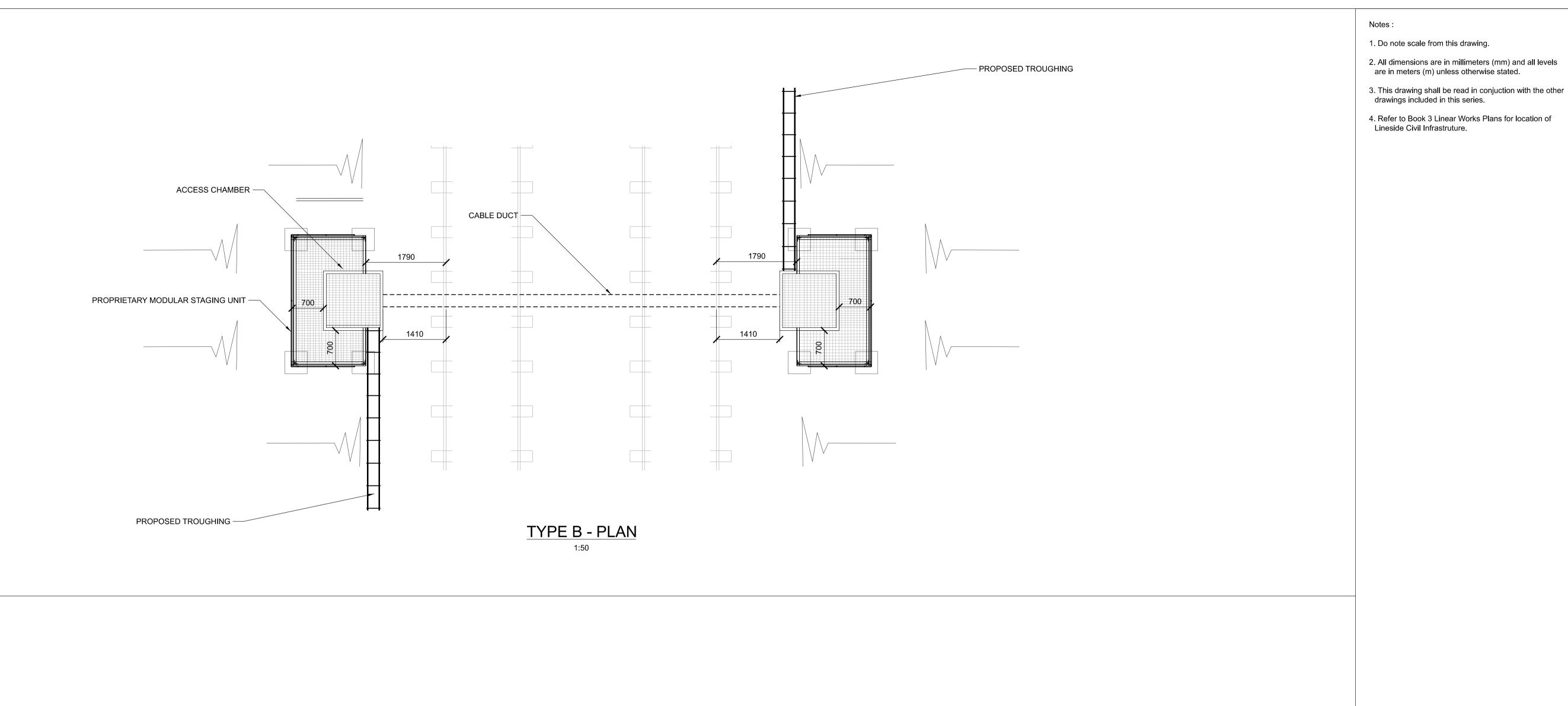
DB

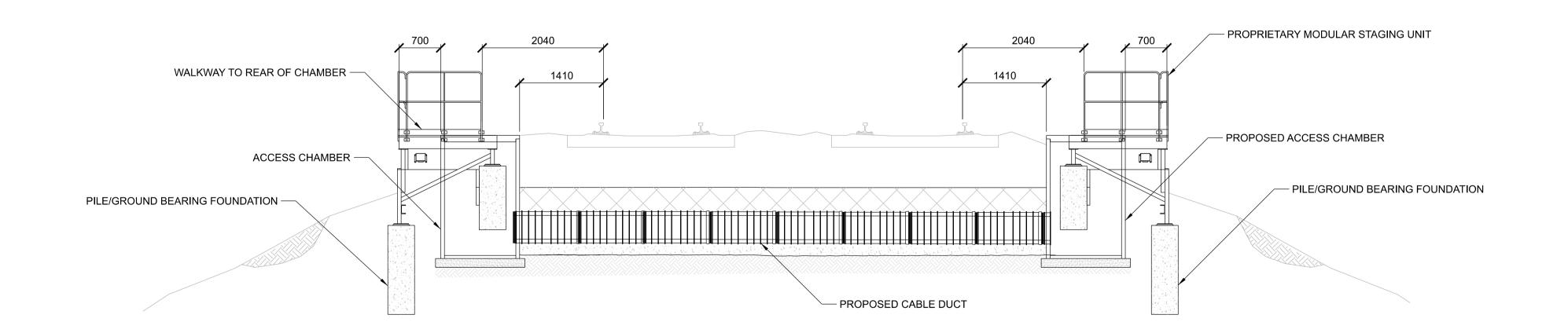
Drawing File Name

D+WP56-ARP-P4-NL-DR-RO-200029

Sheet Number | Status | Status

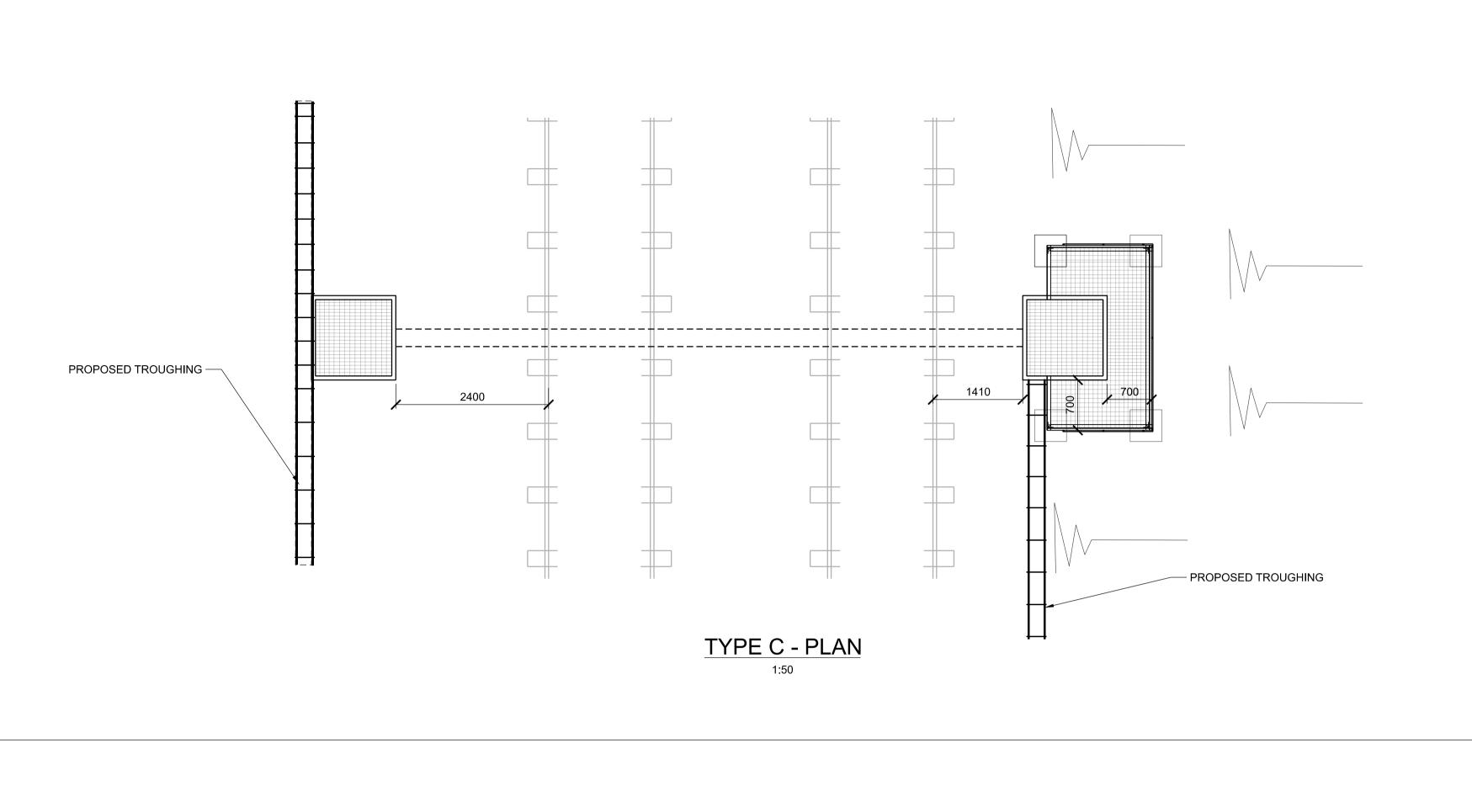
Scale @ A1 Drawn & SF





# TYPE B - SECTION 1:50

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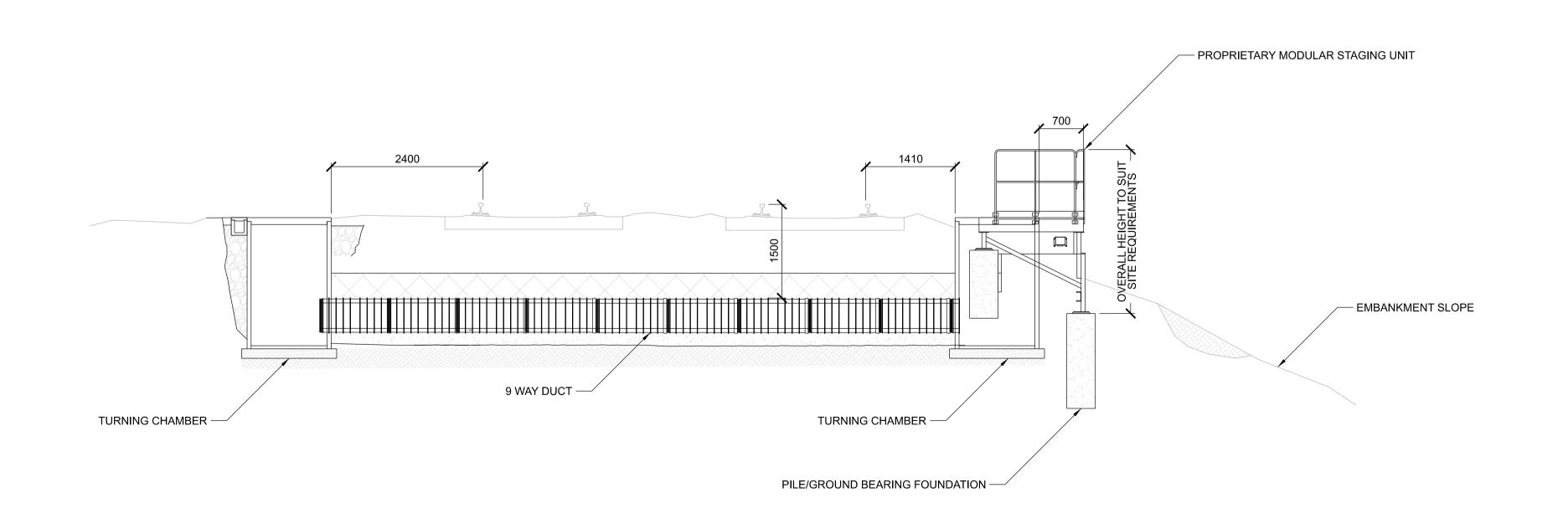
Not

1. Do note scale from this drawing.

2. All dimensions are in millimeters (mm) and all levels are in meters (m) unless otherwise stated.

This drawing shall be read in conjuction with the other drawings included in this series.

4. Refer to Book 3 Linear Works Plans For Location of Lineside Civil Infrastruture



TYPE C - SECTION

1:50

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DART+
Coastal North

Rev Date Drn Chk'd App'd Description

P01 24/11/2023 SF EJ DB PLANNING ISSUE

Date 03/11/2023

Project Code D+WP56

larnród Éireann Irish Rail

Scale 03/11/2023

Scale AS SHOWN @ A1 SF

Checked EJ

Originator Code

Checked Approved EJ DB

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Project Title

DART+ COASTAL NORTH

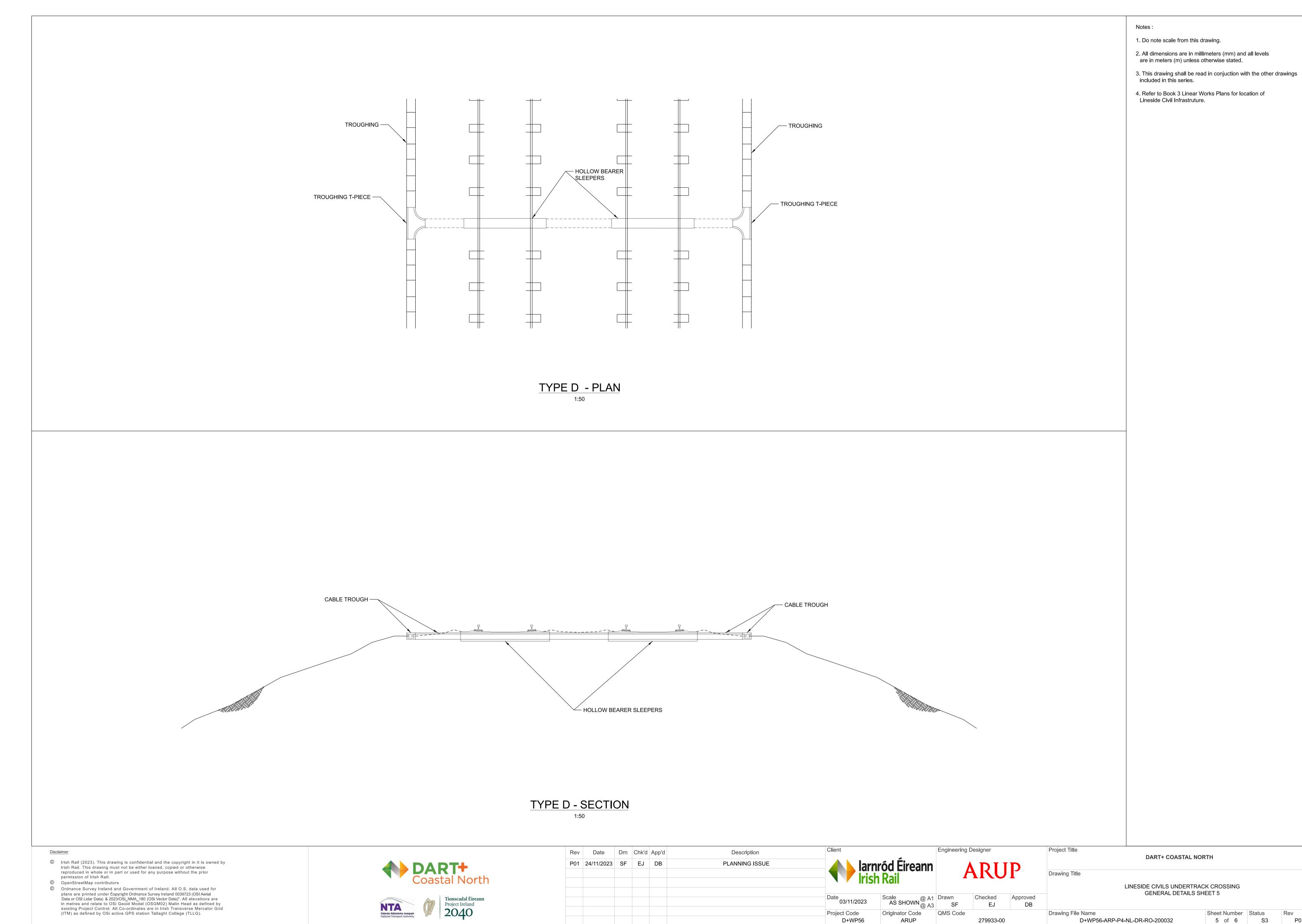
LINESIDE CIVILS UNDERTRACK CROSSING GENERAL DETAILS SHEET 4

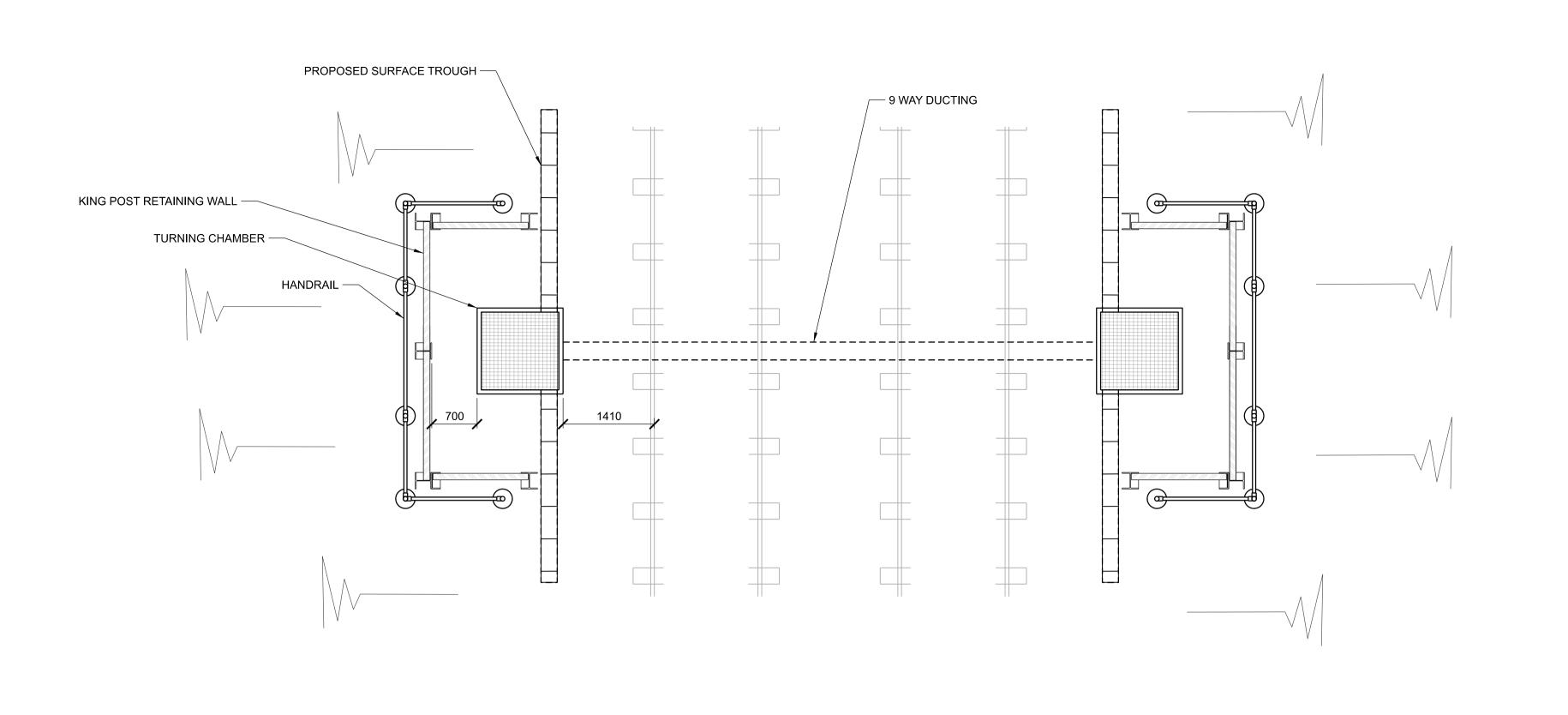
Drawing File Name

D+WP56-ARP-P4-NL-DR-RO-200031

Sheet Number Status

4 of 6 S3





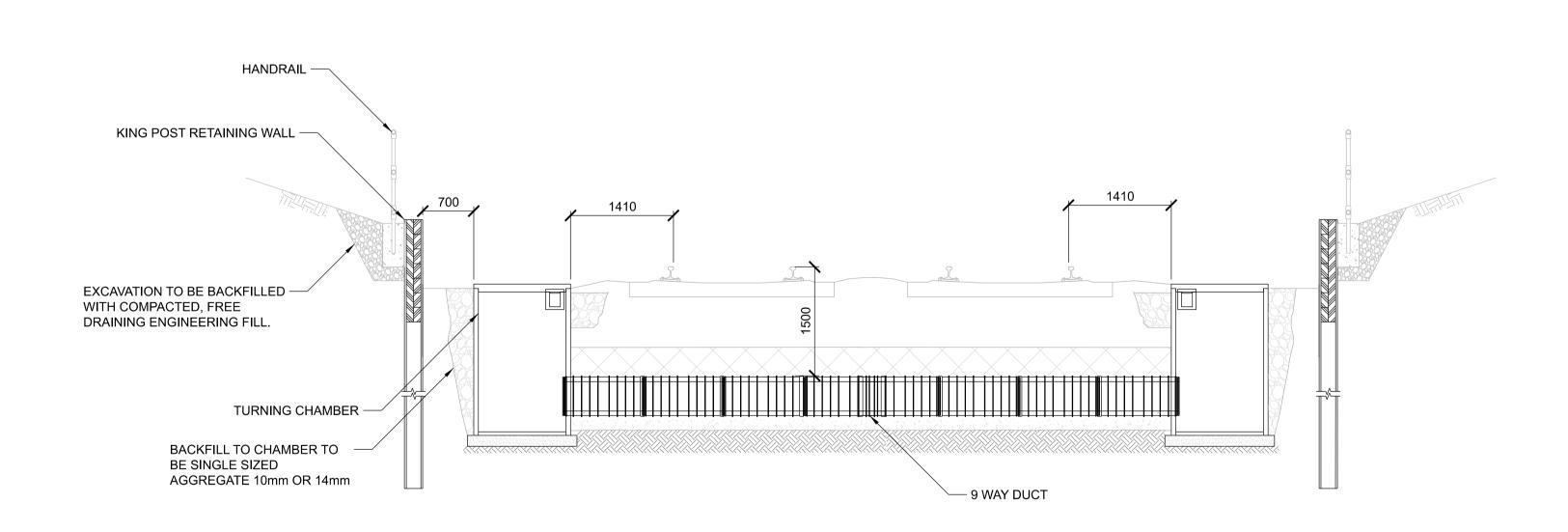
TYPE E - PLAN

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2. All dimensions are in millimeters (mm) and all levels are in meters (m) unless otherwise stated.

3. This drawing shall be read in conjuction with the other drawings included in this series.

4. Refer to Book 3 Linear Works Plans for location of Lineside Civil Infrastruture.



## TYPE E - SECTION

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P01 24/11/2023 SF EJ DB PLANNING ISSUE

Description



D+WP56

Originator Code

Scale @ A1 Drawn
AS SHOWN @ A3 SF Checked Approved

EJ

279933-00

DB

DART+ COASTAL NORTH

LINESIDE CIVILS UNDERTRACK CROSSING GENERAL DETAILS SHEET 6

Sheet Number Status

6 of 6 S3

Project Title

Drawing Title