

- ### LEGEND
- RUNNING LINE
 - SIDINGS
 - PROPOSED TRACK WORK
 - SLEW TRACK WORK
 - TRACK WORK TO BE REMOVED
 - EXISTING STATION PLATFORMS
 - IRISH RAIL PROPERTY BOUNDARY
- TL (Transition Length, m)
 RCC (Rate of Change of Cant, mm/s)
 RCD (Rate of Change of Cant Deficiency, mm/s)
 CG (Cant Gradient, mm/m)
 VT (Virtual Transition)
 UD (Undrilled)
 CTS (Cut to Suit)
 CP CLEARANCE POINT (see note 9)
 *FP FOULING POINT (1970mm)
- TWIST
 - CONCRETE BEARER 265mm WIDE
 - PROPOSED WELDS
 - EXISTING WELDS
 - COMBINED CABLE TROUGH/WALKWAY
 - HAND OF CURVE

- ### Notes
1. This design is based upon a topographical survey dated December 2022, completed by APEX survey team. File name: Station Clongriffin 3D Topo Surveys - Stage A2 C1 Site 02. Minor variations to existing arrangement may have occurred since survey took place.
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 - Down Main: 70 mph, 120 kph
 - East Loop: 35 mph, 55kph

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Rev	Date	Drn	Chk'd	App'd	Description
P01	09/01/2023	MF	AS	RS	For review and comment
P02	14/04/2023	SS	AS	RS	For review and comment

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 09/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3

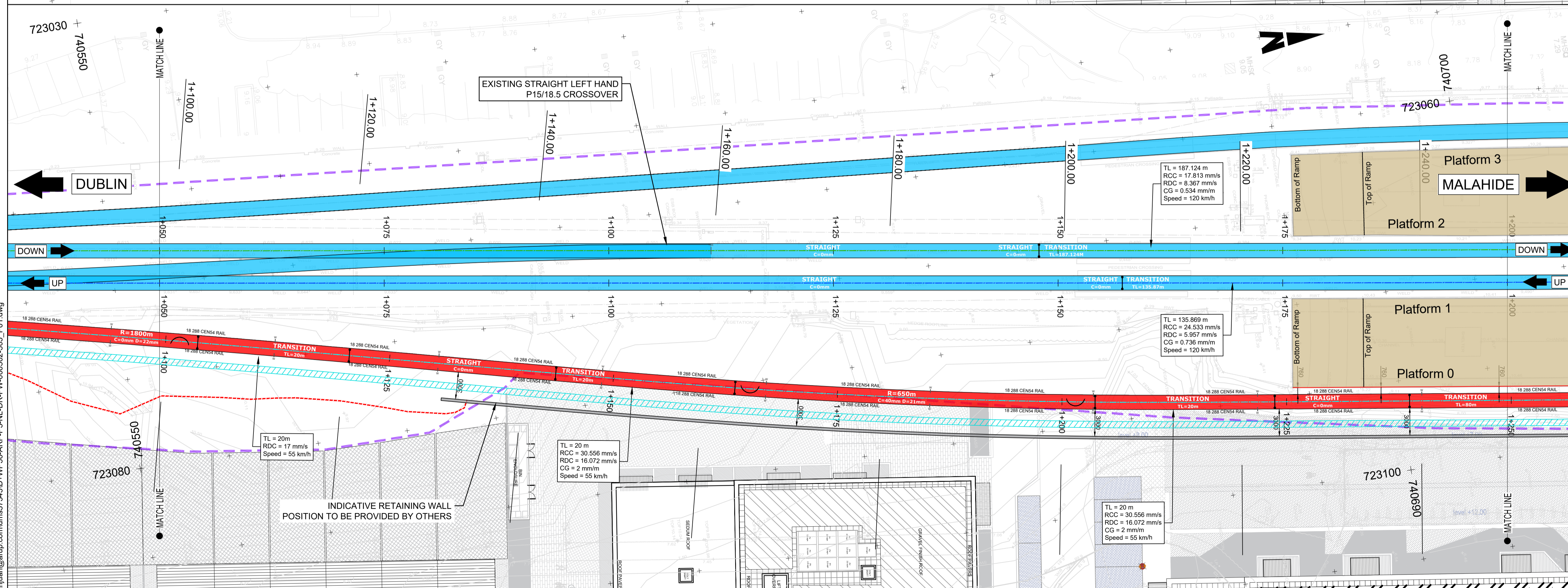
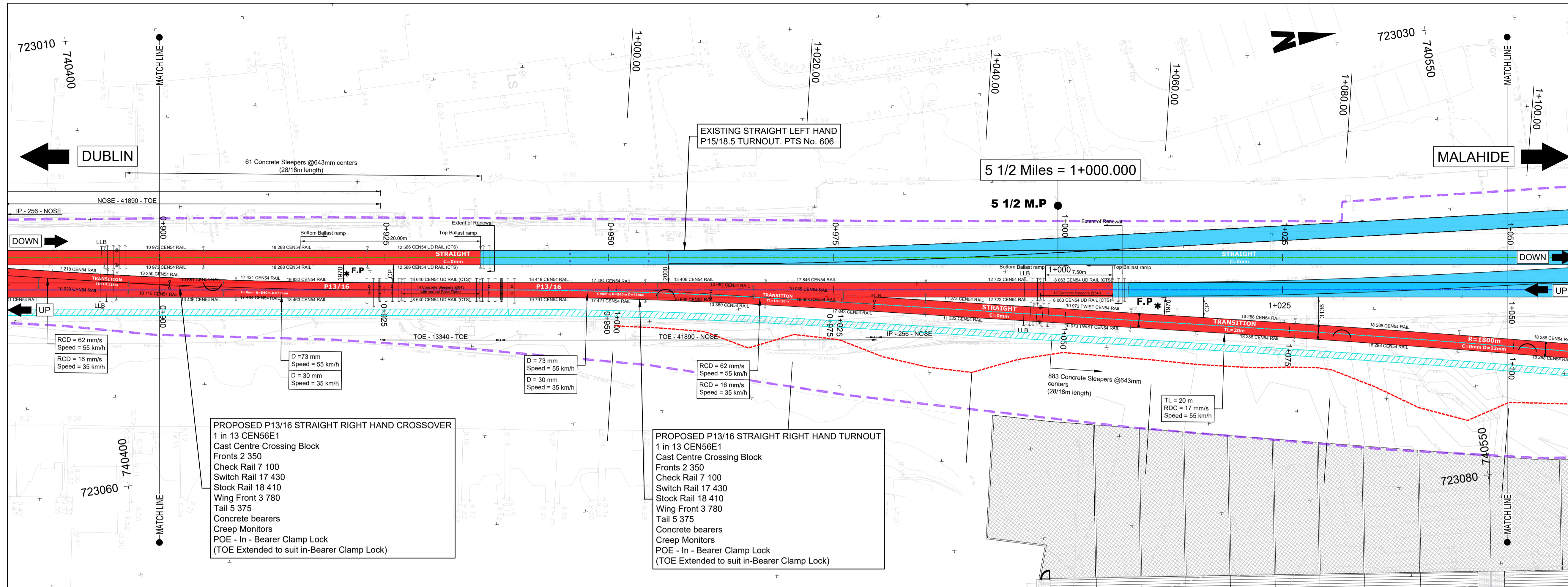
Project Code: D+WP56 | Originator Code: ARP

QMS Code: 280275-00

Drawn: MF | Checked: AS | Approved: RS

Project Title: DART+ COASTAL NORTH	
Drawing Title: CLONGRIFFIN STATION PRELIMINARY DESIGN PLAN VIEW	Sheet 1 of 4
Drawing File Name: D+WP56-ARP-P3-NL-DR-PW-000502	Sheet Number: 1 of 4
Status: S3	Rev: P02

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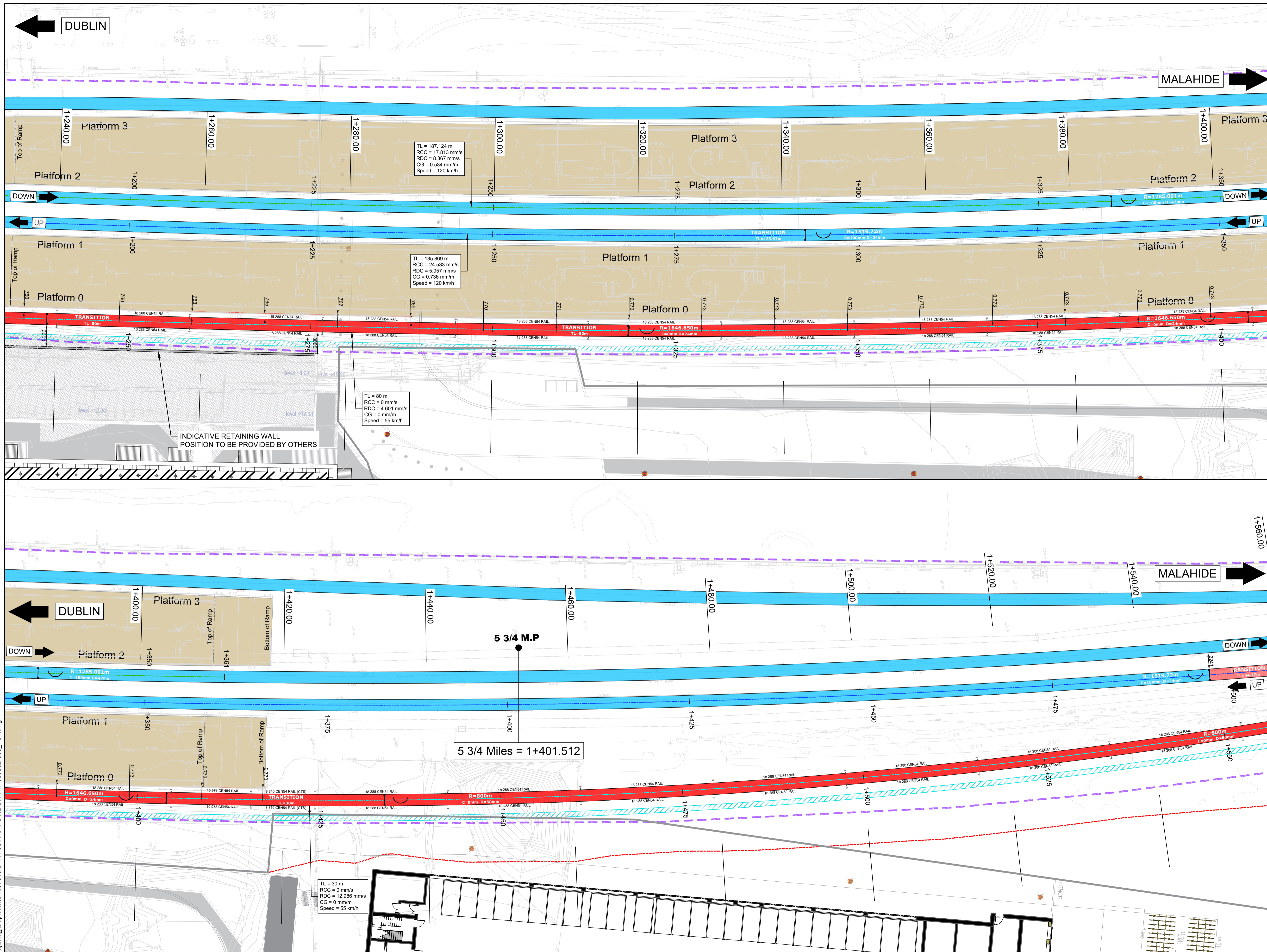
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QMS Code: 280275-00

Drawn: MF | Checked: AS | Approved: RS

Project Title		Drawing Title		Drawing File Name		Sheet Number	Status	Rev
DART+ COASTAL NORTH		CLONGRIFFIN STATION PRELIMINARY DESIGN PLAN VIEW Sheet 2 of 4		D+WP56-ARP-P3-NL-DR-PW-000503		2 of 4	S3	P02

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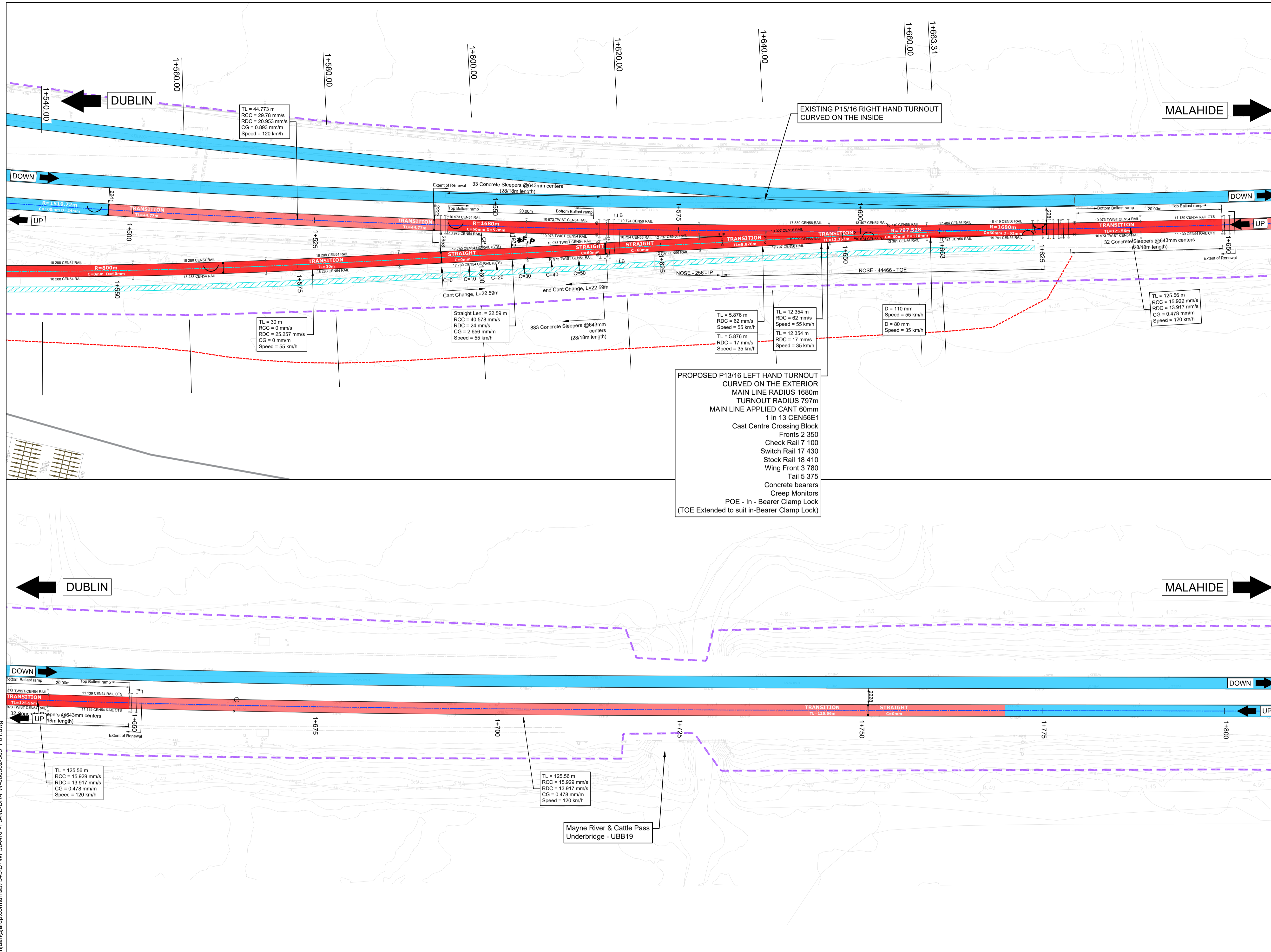
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Drawn: MF | Checked: AS | Approved: RS

Project Title: DART+ COASTAL NORTH	
Drawing Title: CLONGRIFFIN STATION PRELIMINARY DESIGN PLAN VIEW Sheet 3 of 4	Sheet Number: 3 of 4
Drawing File Name: D+WP56-ARP-P3-NL-DR-PW-000504	Status: S3
Rev: P01	Rev: P01

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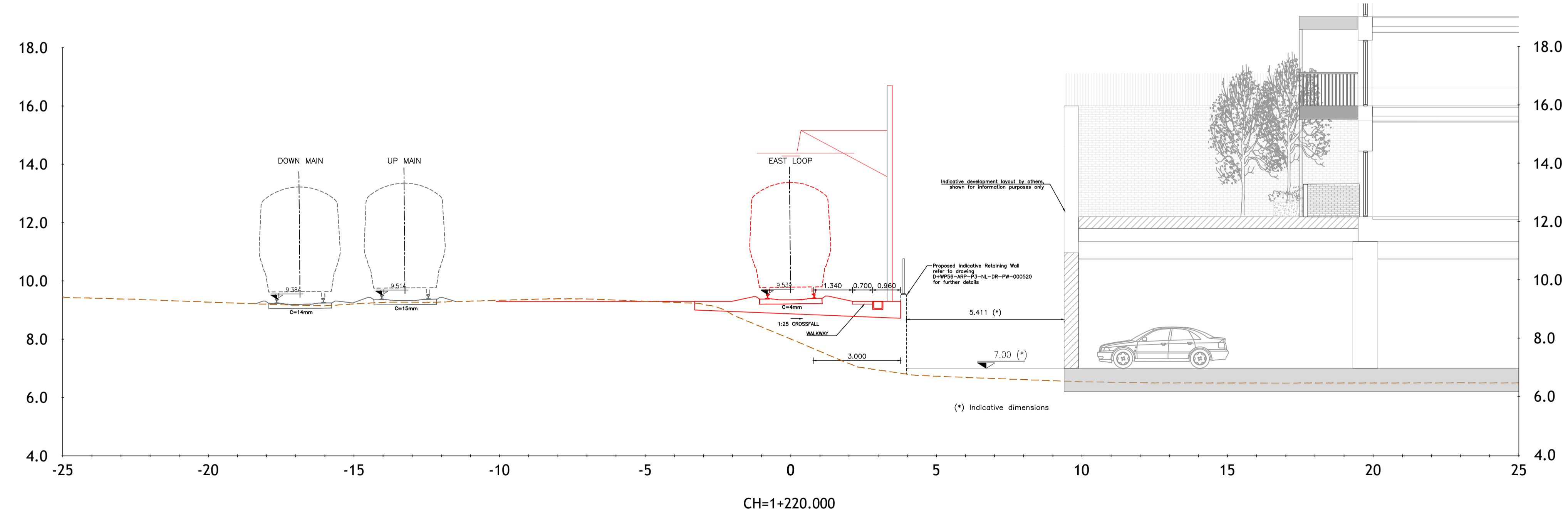
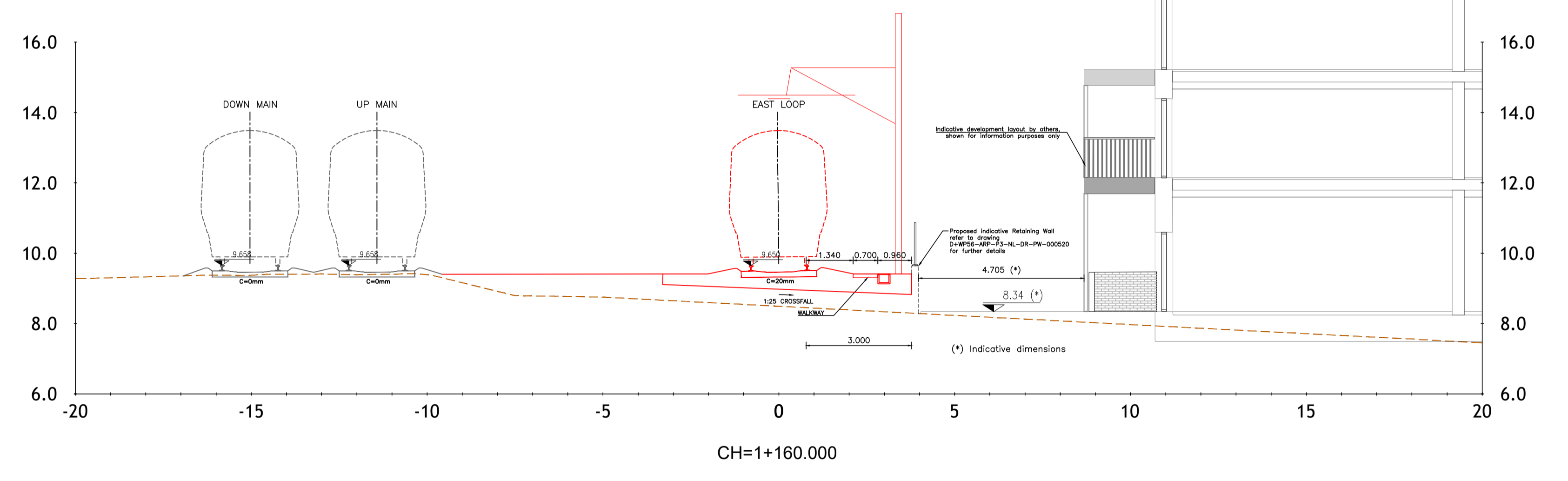
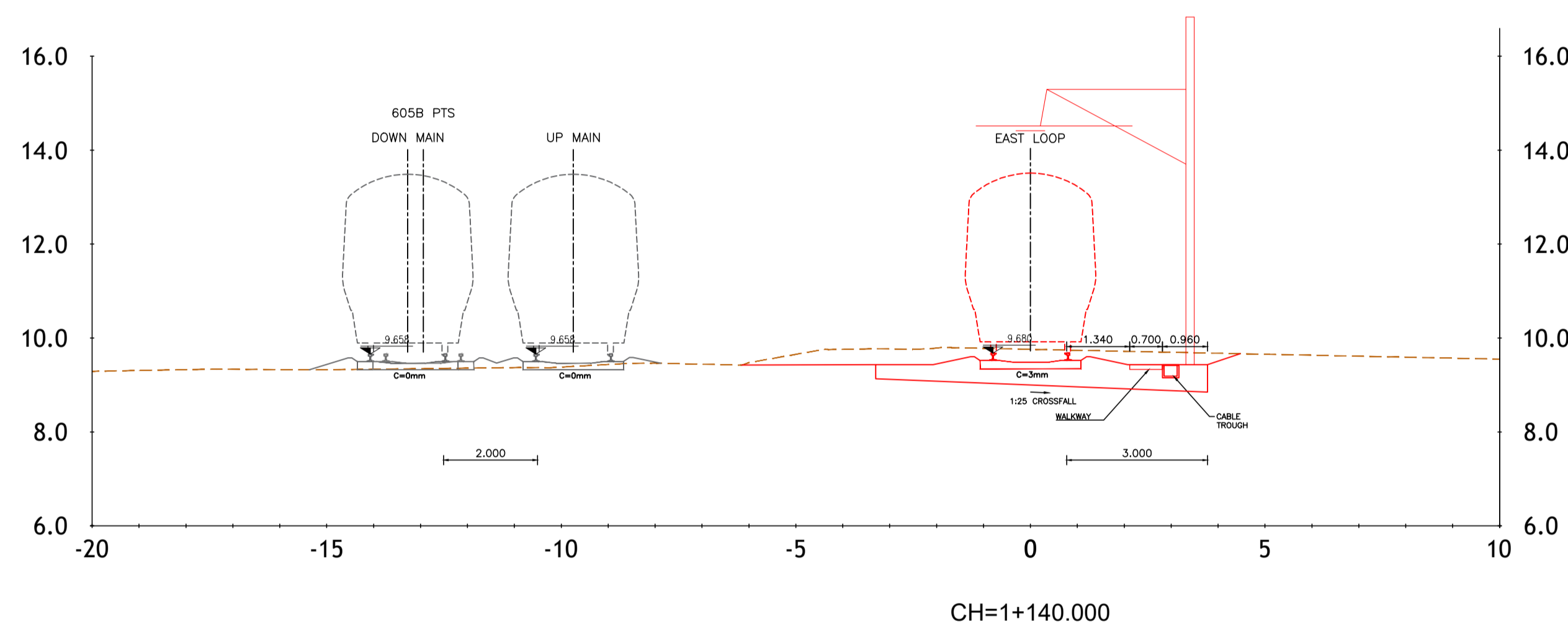
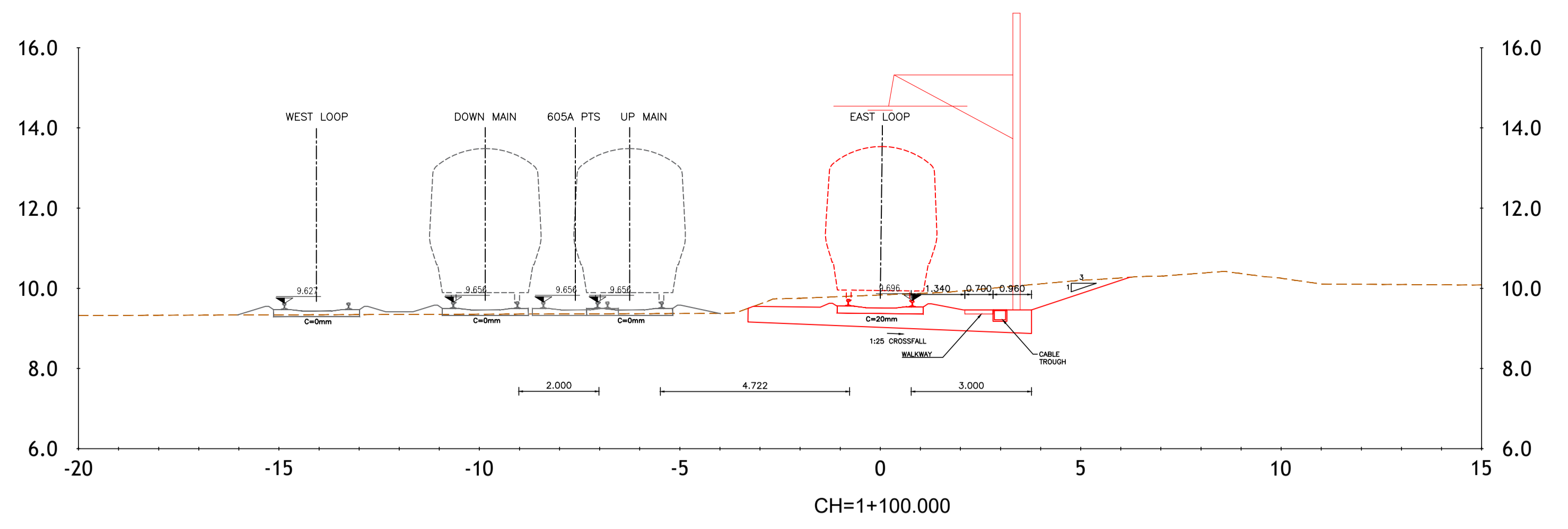
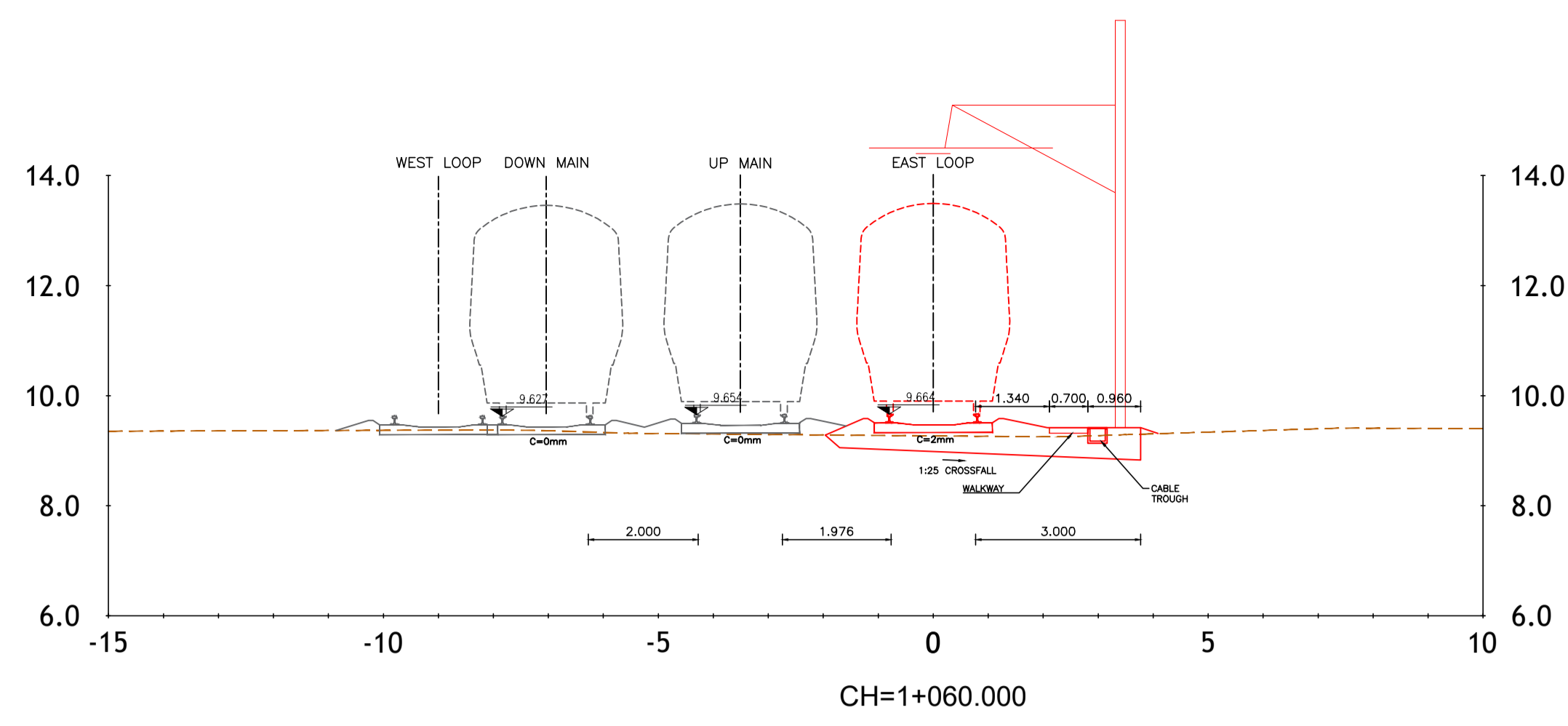
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**PROPOSED P13/16 LEFT HAND TURNOUT
CURVED ON THE EXTERIOR
MAIN LINE RADIUS 1680m
TURNOUT RADIUS 797m
MAIN LINE APPLIED CANT 60mm
1 in 13 CEN56E1
Cast Centre Crossing Block
Fronts 2 350
Check Rail 7 100
Switch Rail 17 430
Stock Rail 18 410
Wing Front 3 780
Tail 5 375
Concrete bearers
Creep Monitors
POE - In - Bearer Clamp Lock
(Toe Extended to suit in-Bearer Clamp Lock)**

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		<p>Project Code</p> <p>D+WP56</p>		<p>Originator Code</p> <p>ARP</p>		<p>QMS Code</p> <p>280275-00</p>		<p>Drawing File Name</p> <p>D+WP56-ARP-P3-NL-DR-PW-000505</p>		<p>Sheet Number</p> <p>4 of 4</p>		<p>Status</p> <p>S3</p>	<p>Rev</p> <p>P01</p>				

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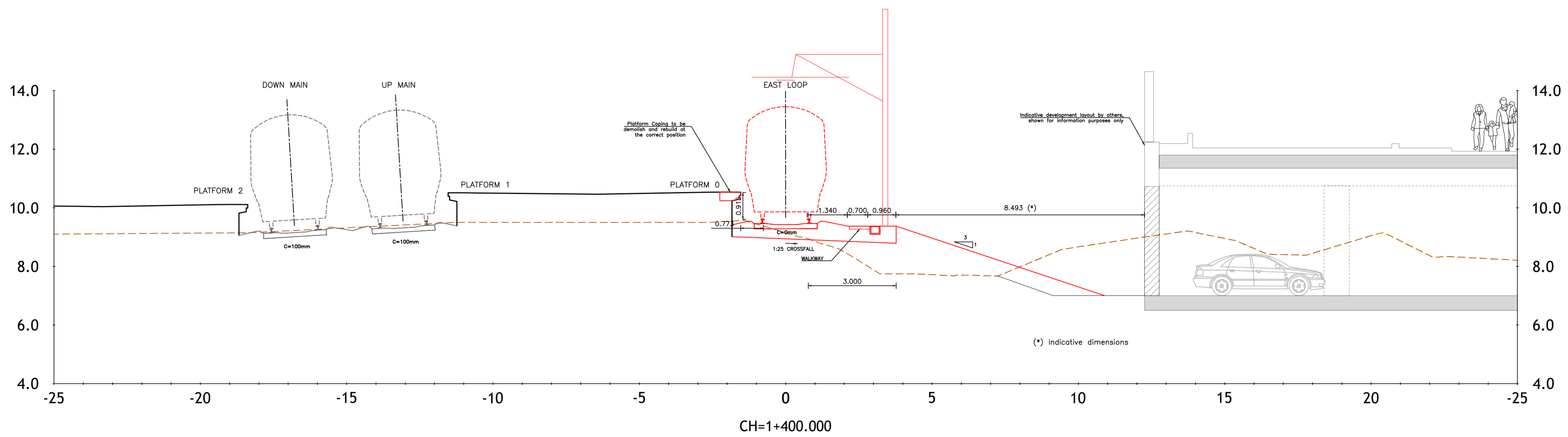
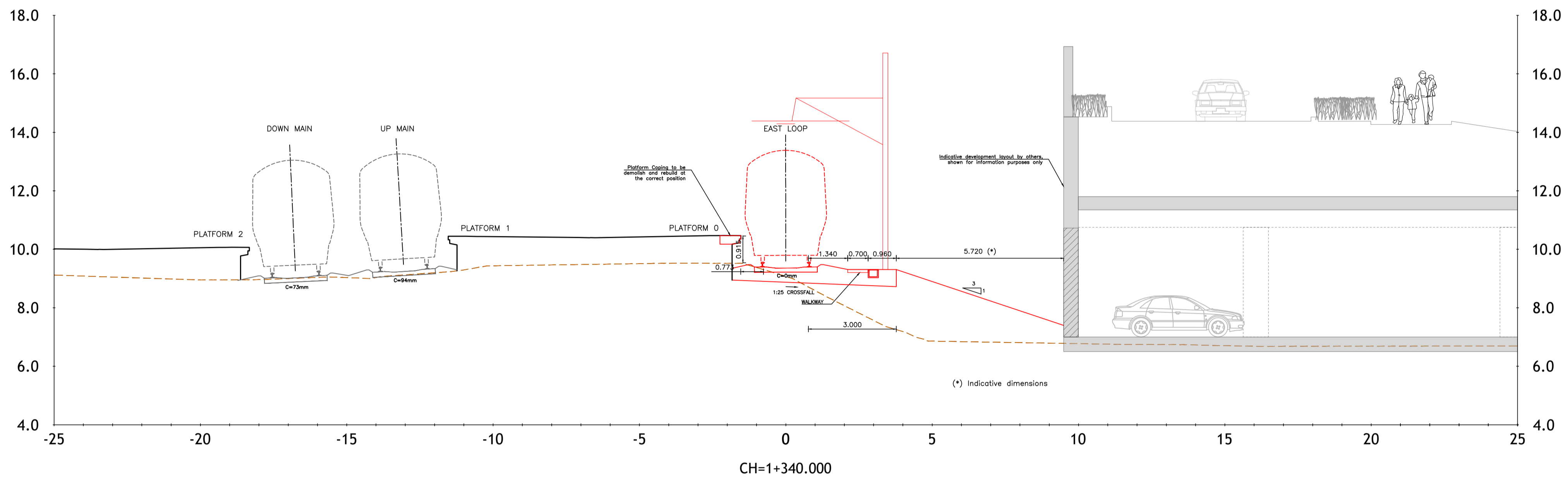
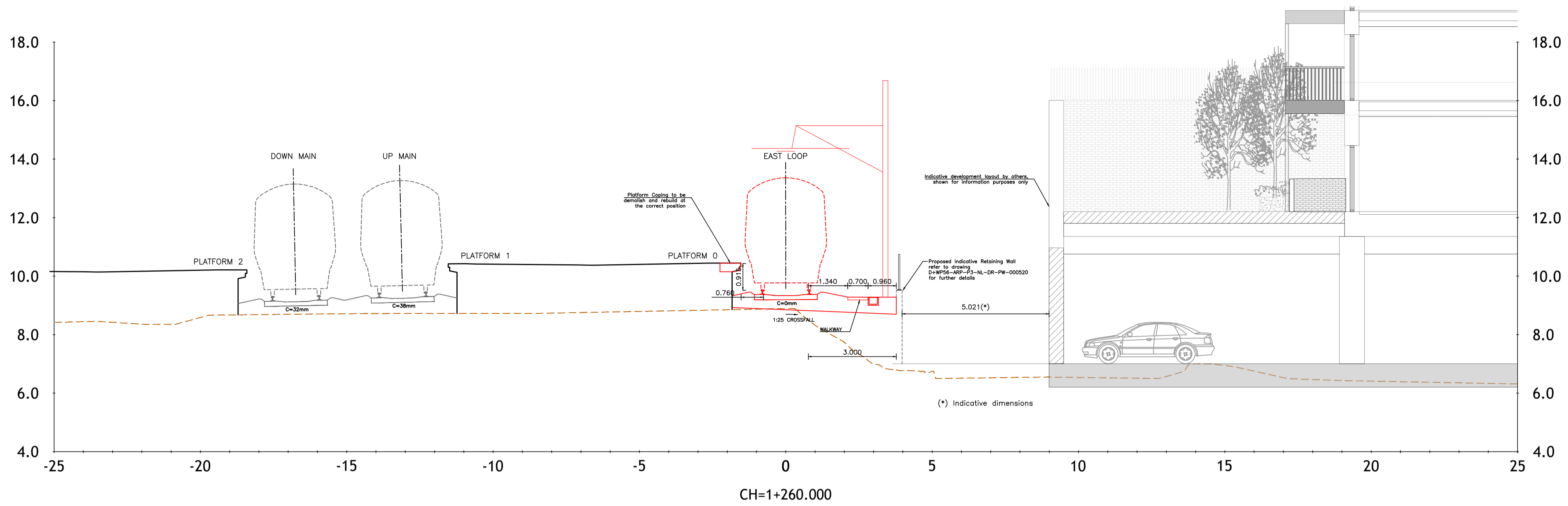
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Drawn MF **Checked** AS **Approved** RS

Project Title DART+ COASTAL NORTH			
Drawing Title CLONGRIFFIN STATION PRELIMINARY DESIGN CROSS SECTIONS Sheet 1 of 4			
Drawing File Name D+WP56-ARP-P3-NL-DR-PW-000516	Sheet Number 1 of 3	Status S3	Rev P01

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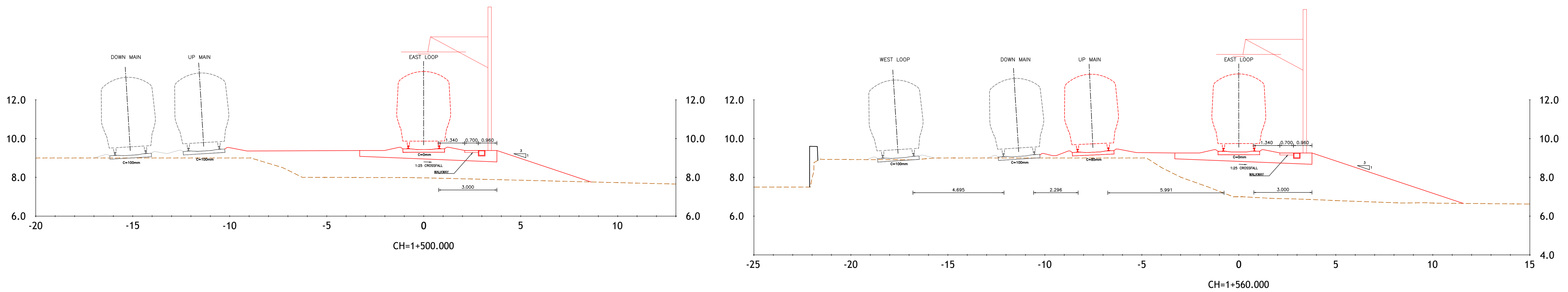
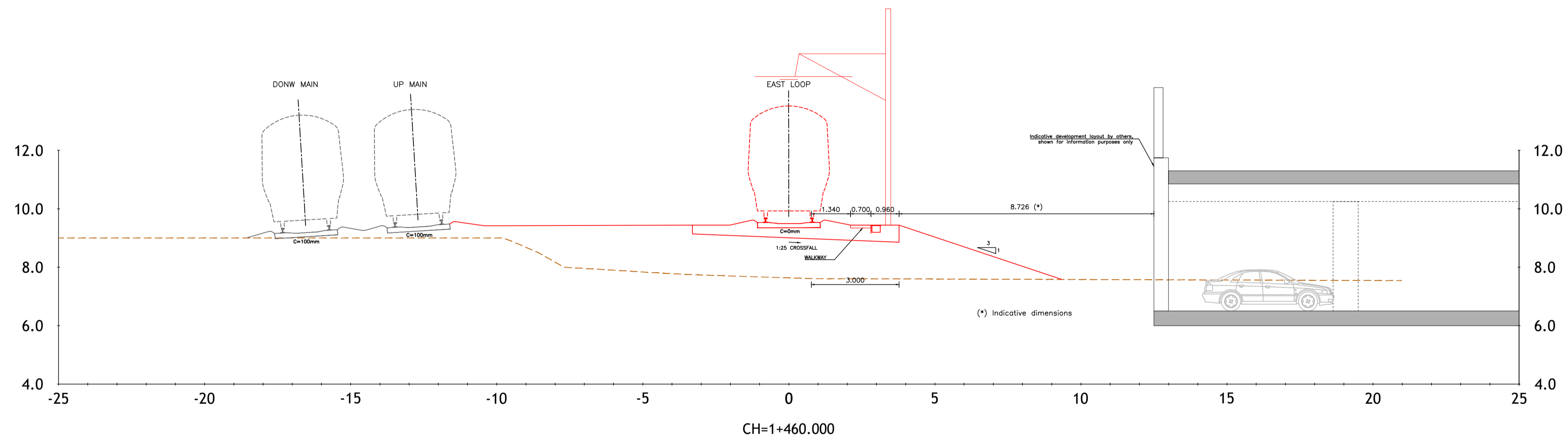
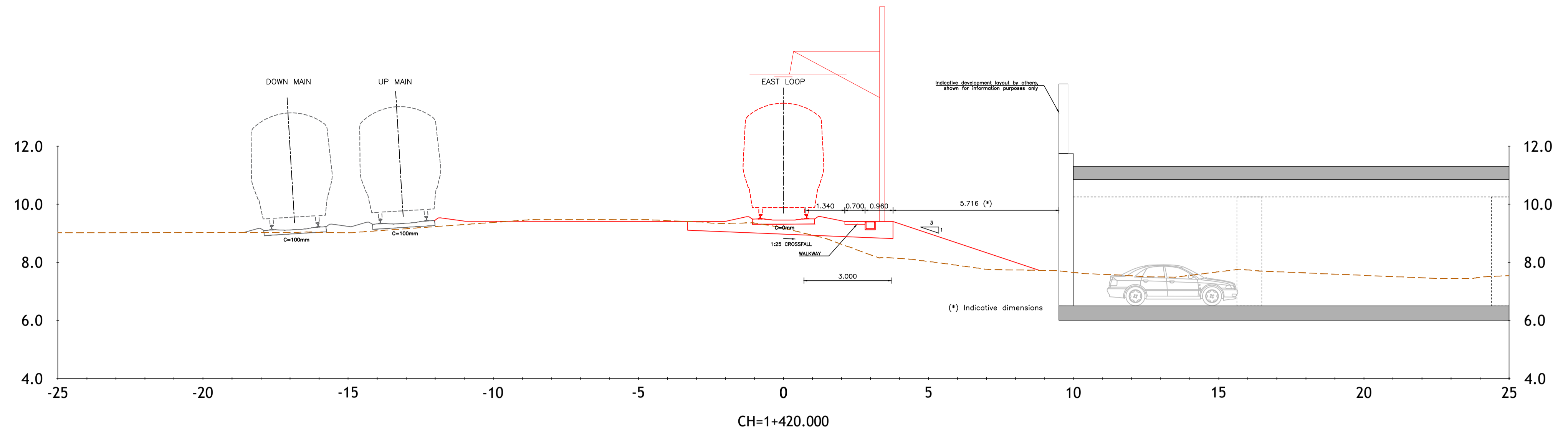


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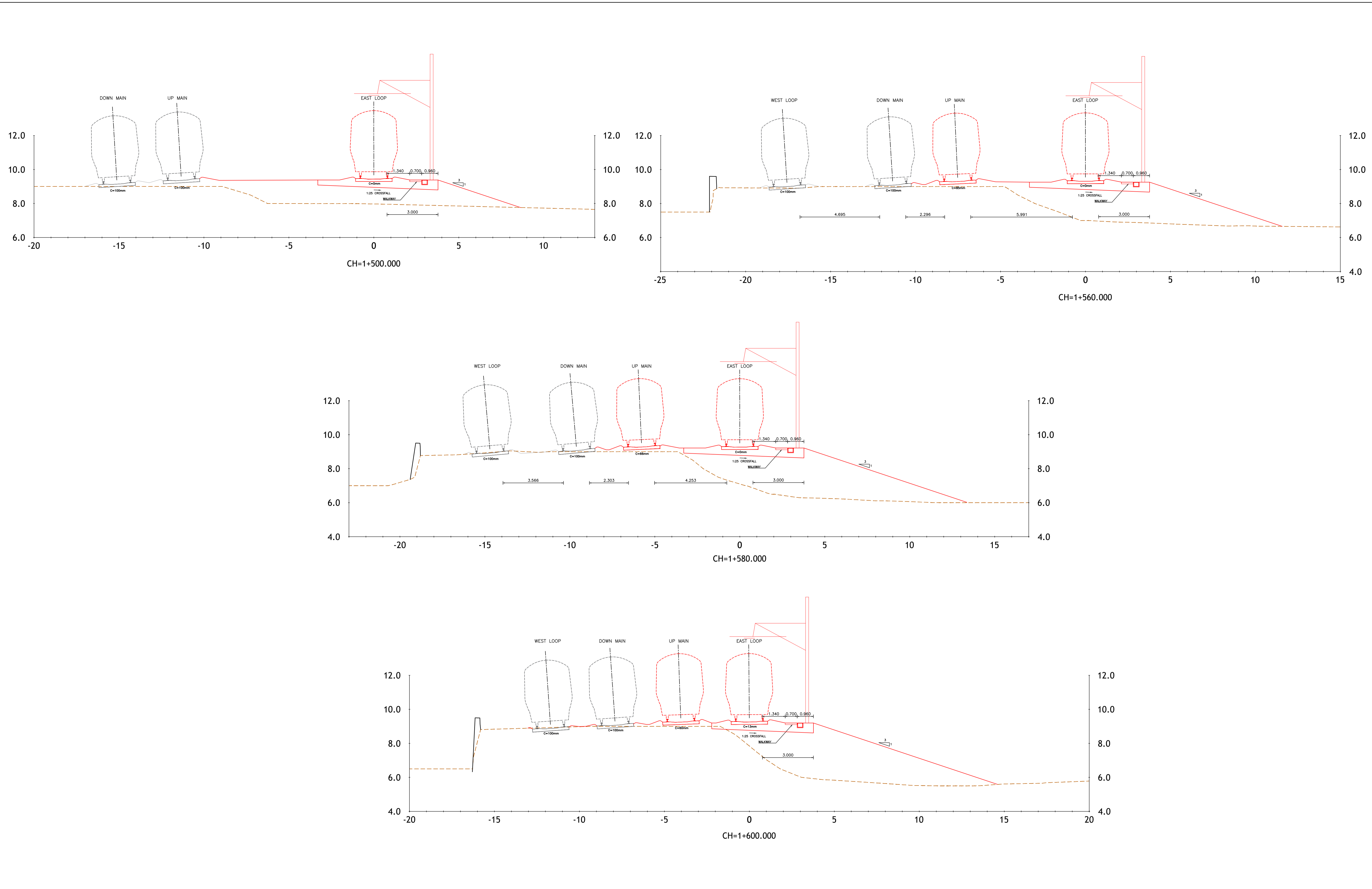
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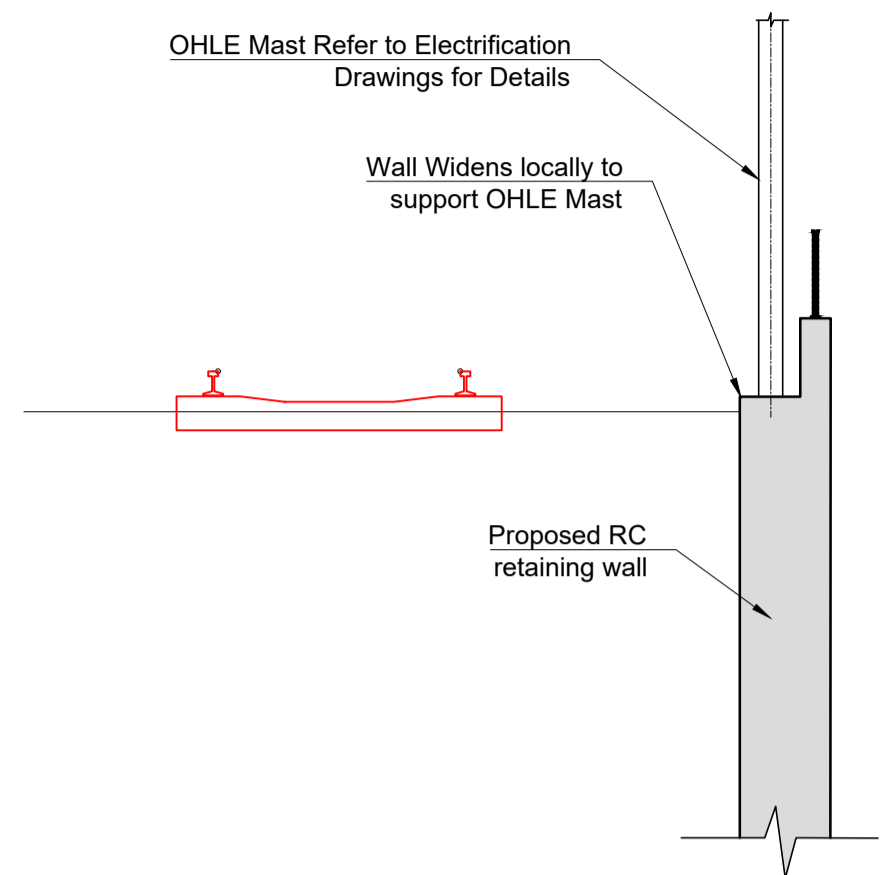


Rev	Date	Drn	Chk'd	App'd	Description
P01	09/01/2023	MF	AS	RS	For review and comment

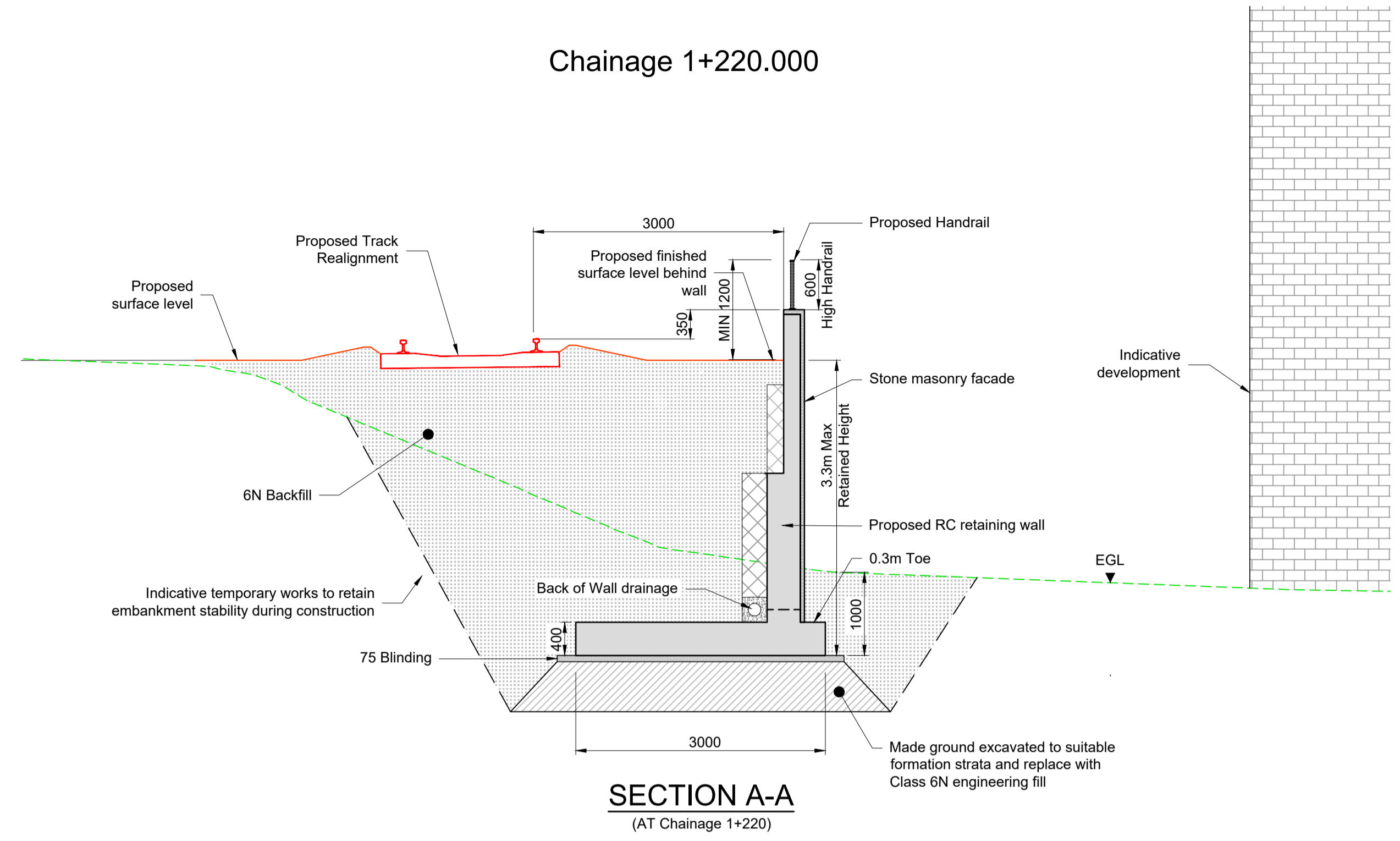
		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
09/01/2023	1:100 @ A1 1:200 @ A3	MF	AS	RS
Project Code	Originator Code	QMS Code		
D+WP56	ARP	280275-00		

Client DART+ COASTAL NORTH			
Drawing Title CLONGRIFFIN STATION PRELIMINARY DESIGN CROSS SECTIONS Sheet 4 of 4			
Drawing File Name	Sheet Number	Status	Rev
D+WP56-ARP-P3-NL-DR-PW-000519	4 of 3	S3	P01

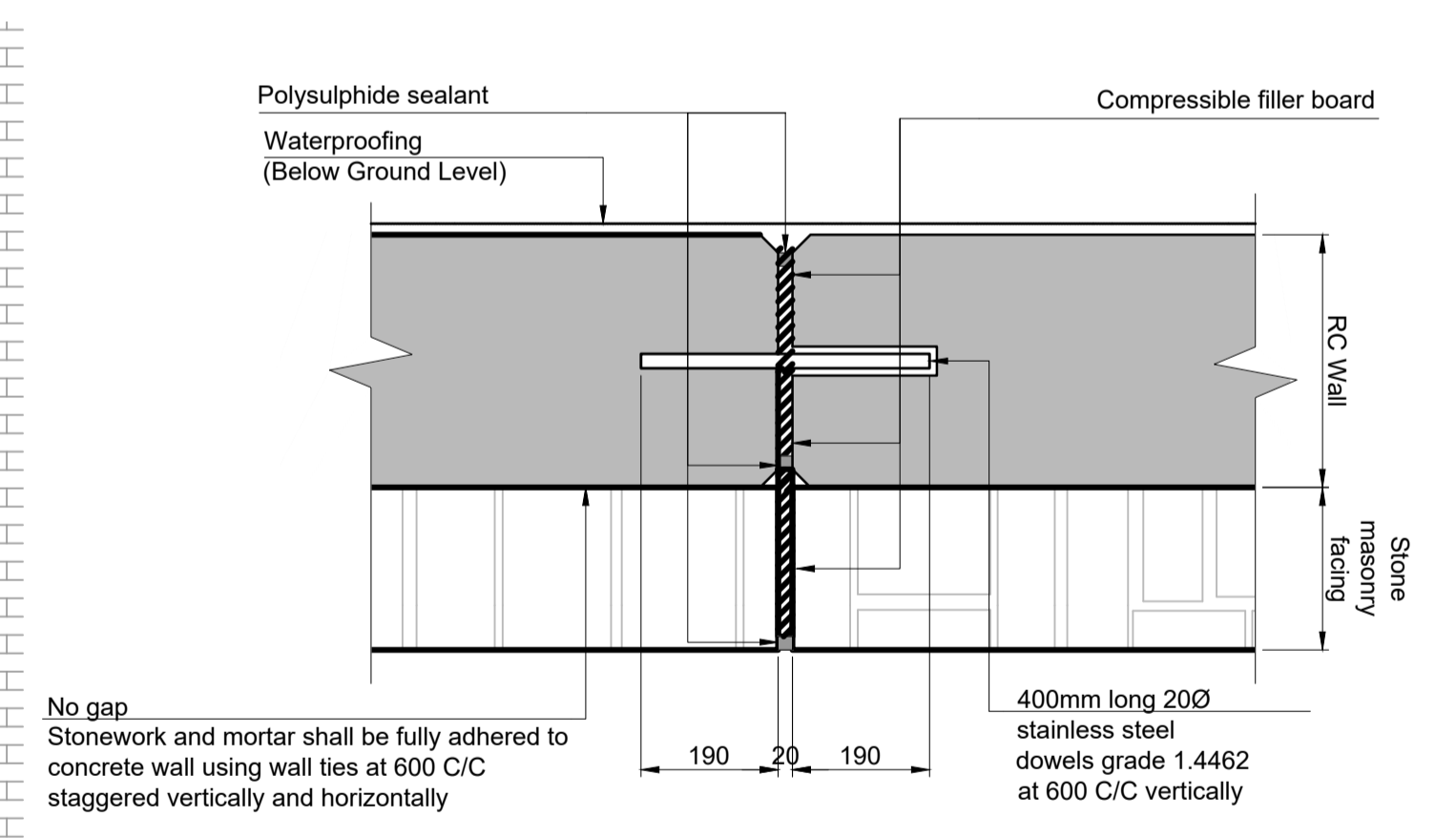
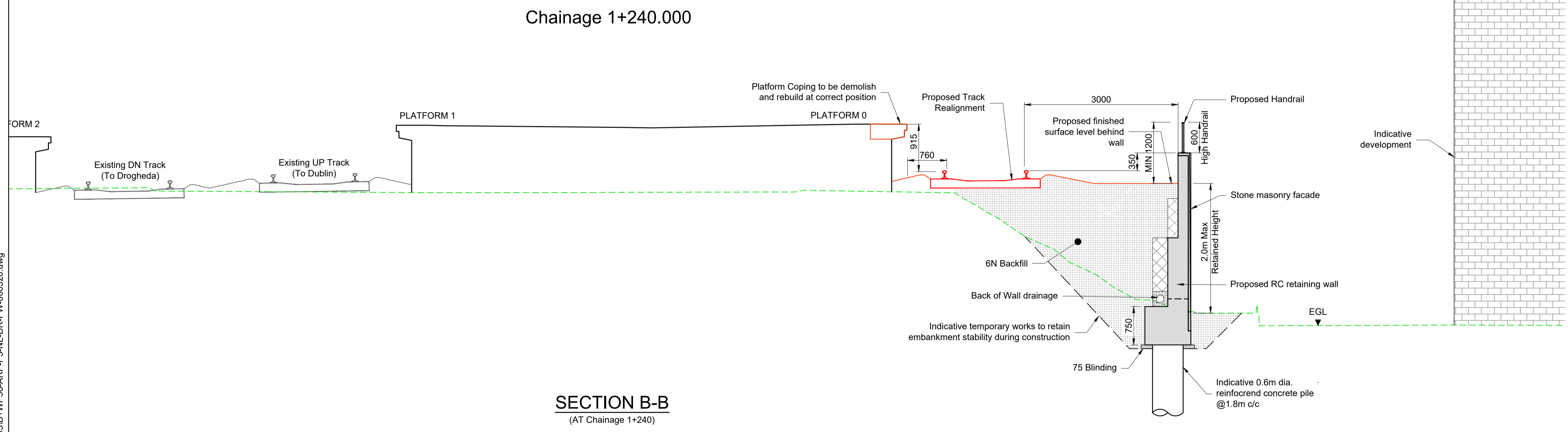
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



OHLE MAST SUPPORTED ON WALL
SCALE 1:50



- NOTES:
1. ALL MEASUREMENTS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE METERS ABOVE ORDINANCE DATUM.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. PRELIMINARY DETAILS BASED ON AVAILABLE HISTORIC GROUND INVESTIGATION INFORMATION.
 5. DETAILS PRESENTED ARE INDICATIVE. DESIGN TO BE REVIEWED, AND UPDATED AS REQUIRED, BASED ON SITE SPECIFIC GROUND INVESTIGATION COMPLETED UNDER DART+ NORTH STAGE A GI.
 6. REFER TO D+WP56-ARP-P3-NL-RP-PW-000009 FOR FURTHER DETAILS.
 7. EXISTING GROUND LEVELS TAKEN FROM SURVEY CONDUCTED BY APEX SURVEYS LTD AND DATED 16/09/2022.
 8. EXISTING SERVICES ARE TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION WORKS.
 9. BACK OF WALL DRAINAGE SHALL BE OUTLET TO EXISTING STORMWATER NETWORK OR SUITABLY DESIGNED SOAKAWAYS.
 10. REFER TO DRAWING D+WP56-ARP-P3-NL-DR-PW-000503 FOR INFORMATION ASSOCIATED WITH THE TRACK ALIGNMENT.
 11. BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT.
 12. ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH HYDROPHOBIC PORE LINER.



C:\bms\arup-eur-pw-01\samuel.sanjuan@arup.com\dms3734510\WP56-ARP-P3-NL-DR-PW-000520.dwg

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 	Rev	Date	Drn	Chk'd	App'd	Description
	P01	10/02/2023	SR	CG	RS	For review and comment
	P02	21/04/2023	SS	CG	RS	For review and comment

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
21/04/2023	1:50 @ A1 1:25 @ A3	SR	CG	RS
Project Code	Originator Code	QMS Code		
D+WP56	ARP	280275-00		

Project Title DART+ COASTAL NORTH			
Drawing Title CLONGRIFFIN STATION RETAINING WALL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
D+WP56-ARP-P3-NL-DR-PW-000520	1 of 1	S3	P02

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