

LEGEND :-
 - - - - - IRISH RAIL PROPERTY BOUNDARY

V:\5199586\Cork\6 Dwg\Graphics\61 AutoCad\PC2\DP-04-23-DWG-ST-TTA-57120.dwg

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 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Main Head as defined by existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).



| Rev | Date | Drn | Ch'k'd | App'd | Description |
|-----|----------|-----|--------|-------|----------------------------------|
| v01 | 29/10/21 | AOS | RM | AG | ISSUED FOR PUBLIC CONSULTATION 2 |

| | | | | |
|---|-----------------------------------|---|---------------|----------------|
| Client Iarnród Éireann Irish Rail | | Engineering Designer ATKINS TYPESA Member of the SNC-Lavalin Group Supported by: rps | | |
| Date 06/09/21 | Scale 1:200 @ A1 1:400 @ A3 | Drawn AOS | Checked RM | Approved AG |
| Project Code 5199586 | Issuer TTA | QMS Code | | |

| | |
|---|----------------|
| Project Title DART + SOUTH WEST | |
| Drawing Title SOUTH CIRCULAR ROAD BRIDGE (OBC1) GENERAL ARRANGEMENT | |
| Drawing File Name DP-04-23-DWG-ST-TTA-57120 | Version v01 |
| Status S3 | |

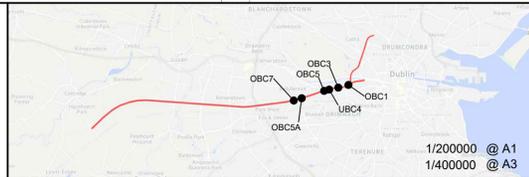
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



LEGEND :-
 - - - - - IRISH RAIL PROPERTY BOUNDARY

V:\5199586\Cork\6 Dwg\Graphics\61 AutoCad\F2\DP-04-23-DWG-ST-TTA-57121.dwg

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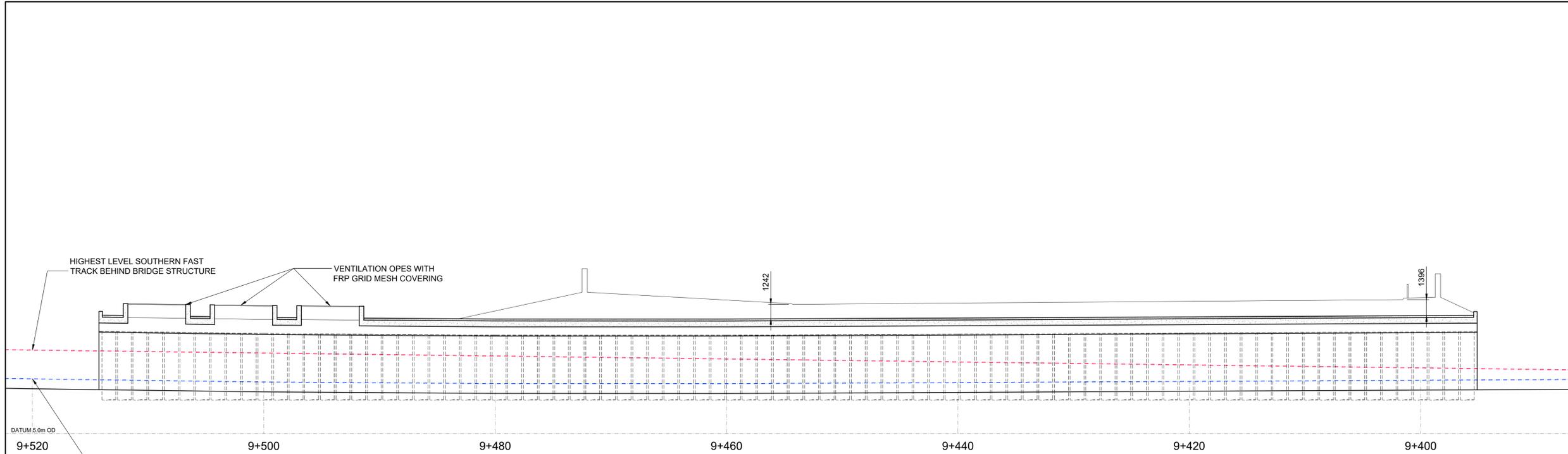


| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 29/10/21 | AOS | RM | AG | ISSUED FOR PUBLIC CONSULTATION 2 |

| | | | |
|------------------------------------|---------------------------------|---|-------------|
| | | | |
| Client: Iarnród Éireann | | Engineering Designer: ATKINS | |
| Date: 06/09/21 | Scale: 1:250 @ A1 1:500 @ A3 | Drawn: AOS | Checked: RM |
| Project Code: 5199586 | Issuer: TTA | Approved: AG | QMS Code: |

| | |
|--|--------------|
| Project Title: DART + SOUTH WEST | |
| Drawing Title: SOUTH CIRCULAR ROAD OVERBRIDGE (OBC1) BRIDGE DECK PLAN | |
| Drawing File Name: DP-04-23-DWG-ST-TTA-57121 | Version: v01 |
| Status: S3 | |

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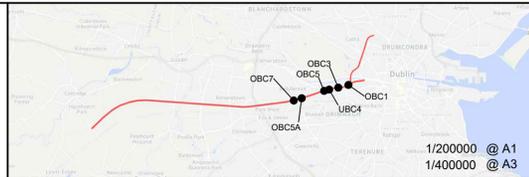


BRIDGE DECK LONGITUDINAL SECTION

Scale at A1 1:200
Scale at A3 1:400

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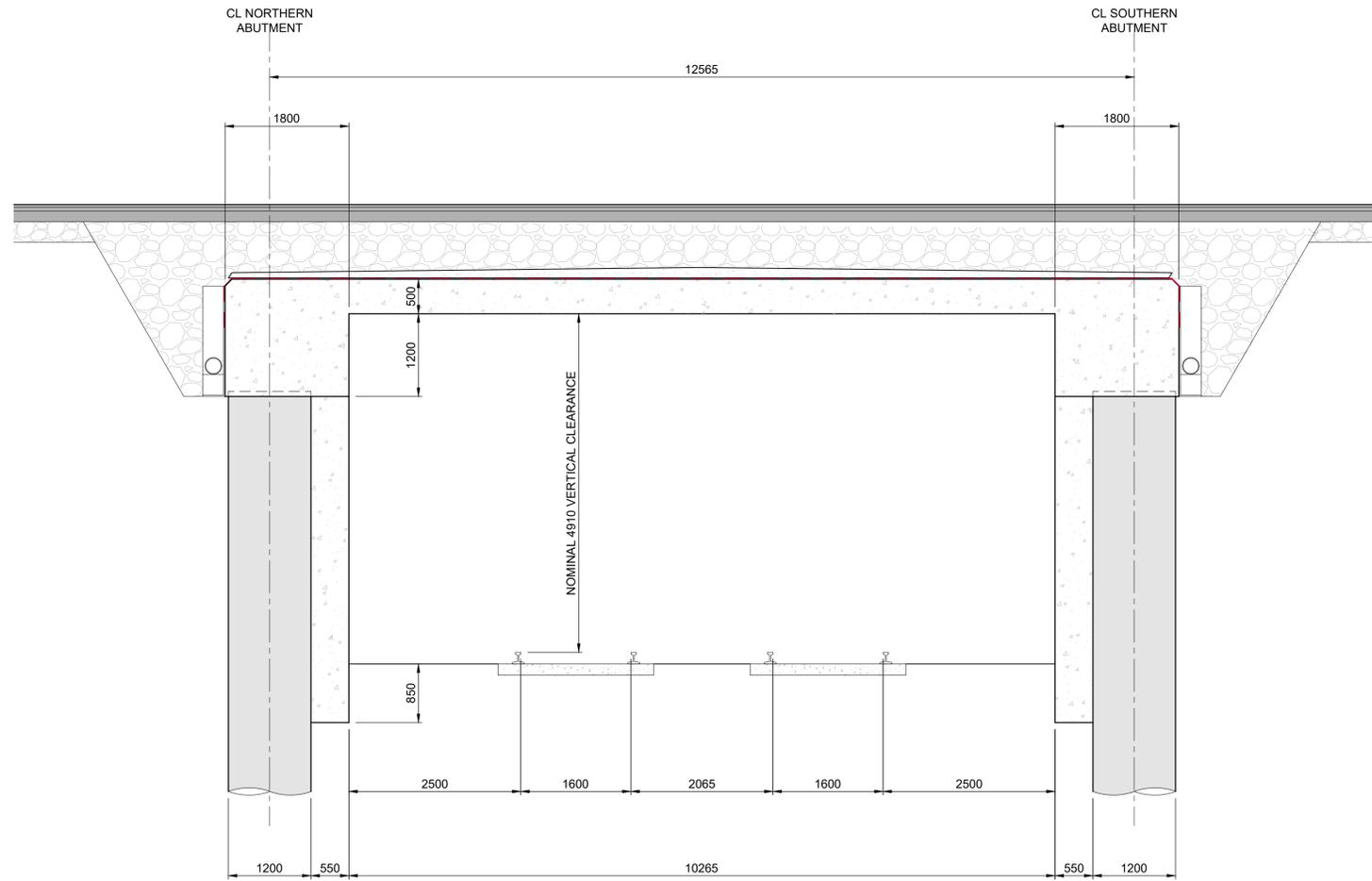
| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 29/10/21 | AOS | RM | AG | ISSUED FOR PUBLIC CONSULTATION 2 |

Client
Iarnród Éireann
Irish Rail

Engineering Designer
ATKINS
 TYPSPA Member of the SNC-Lavalin Group
 Supported by: **FPS**

| | | | |
|-------------------|---------------------------|---|------------|
| Project Title | | DART + SOUTH WEST | |
| Drawing Title | | SOUTH CIRCULAR ROAD BRIDGE (OBC1) BRIDGE DECK LONGITUDINAL SECTION | |
| Date | 06/09/21 | Scale Shown @ A1 | Shown @ A3 |
| Drawn | AOS | Checked | RM |
| Approved | AG | | |
| Project Code | 5199586 | Issuer | TTA |
| QMS Code | | | |
| Drawing File Name | DP-04-23-DWG-ST-TTA-57122 | Version | v01 |
| Status | S3 | | |

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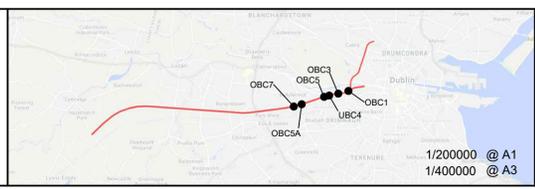


TYPICAL BRIDGE DECK CROSS SECTION

Scale at A1 = 1:50
Scale at A3 = 1:100

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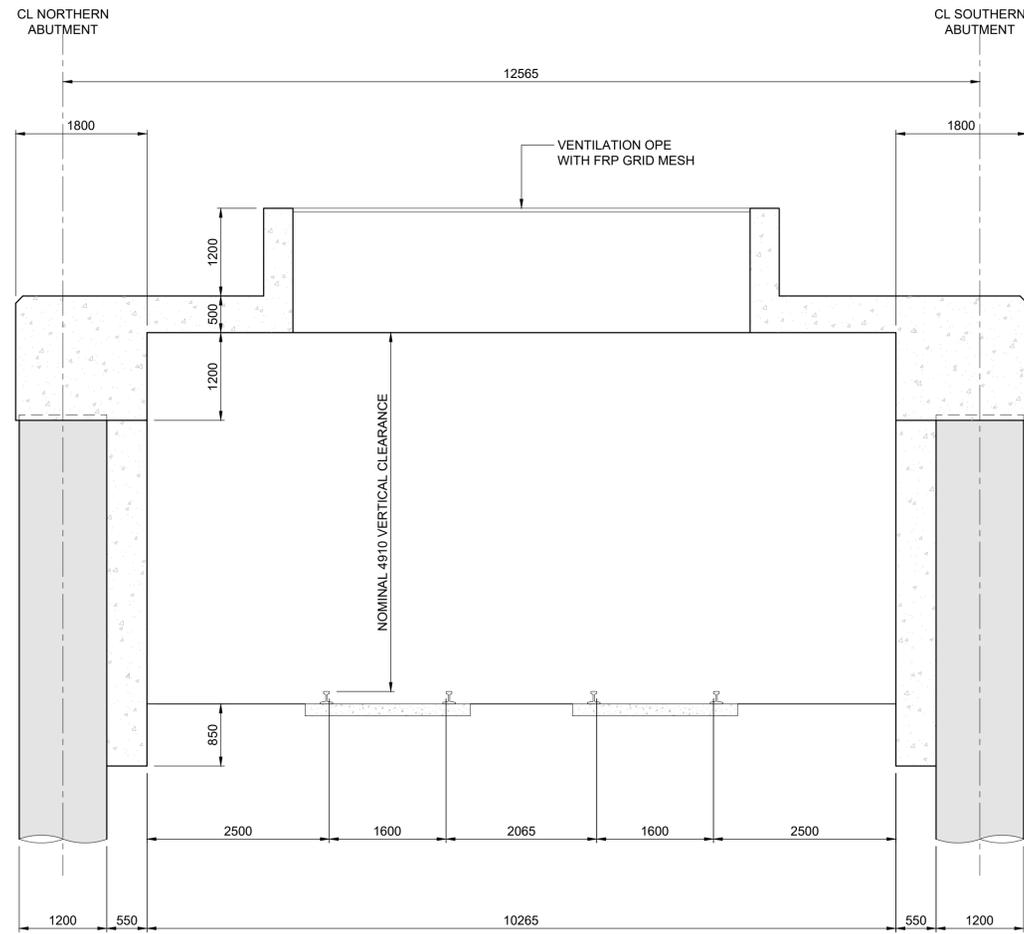
| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 29/10/21 | AOS | RM | AG | ISSUED FOR PUBLIC CONSULTATION 2 |

Client
Iarnród Éireann
Irish Rail

Engineering Designer
ATKINS
Supported by:
rps

| | |
|--|----------------|
| Project Title DART + SOUTH WEST | |
| Drawing Title SOUTH CIRCULAR ROAD BRIDGE (OBC1) BRIDGE DECK CROSS SECTION TYPE 1 | |
| Drawing File Name DP-04-23-DWG-ST-TTA-57123 | Version v01 |
| Status S3 | |

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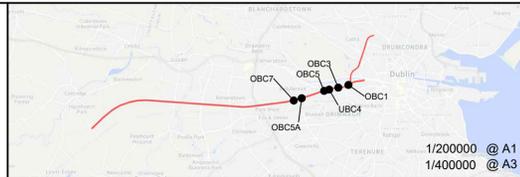


TYPICAL CROSS SECTION THROUGH VENTILATION OPE

Scale at A1 = 1:50
Scale at A3 = 1:100

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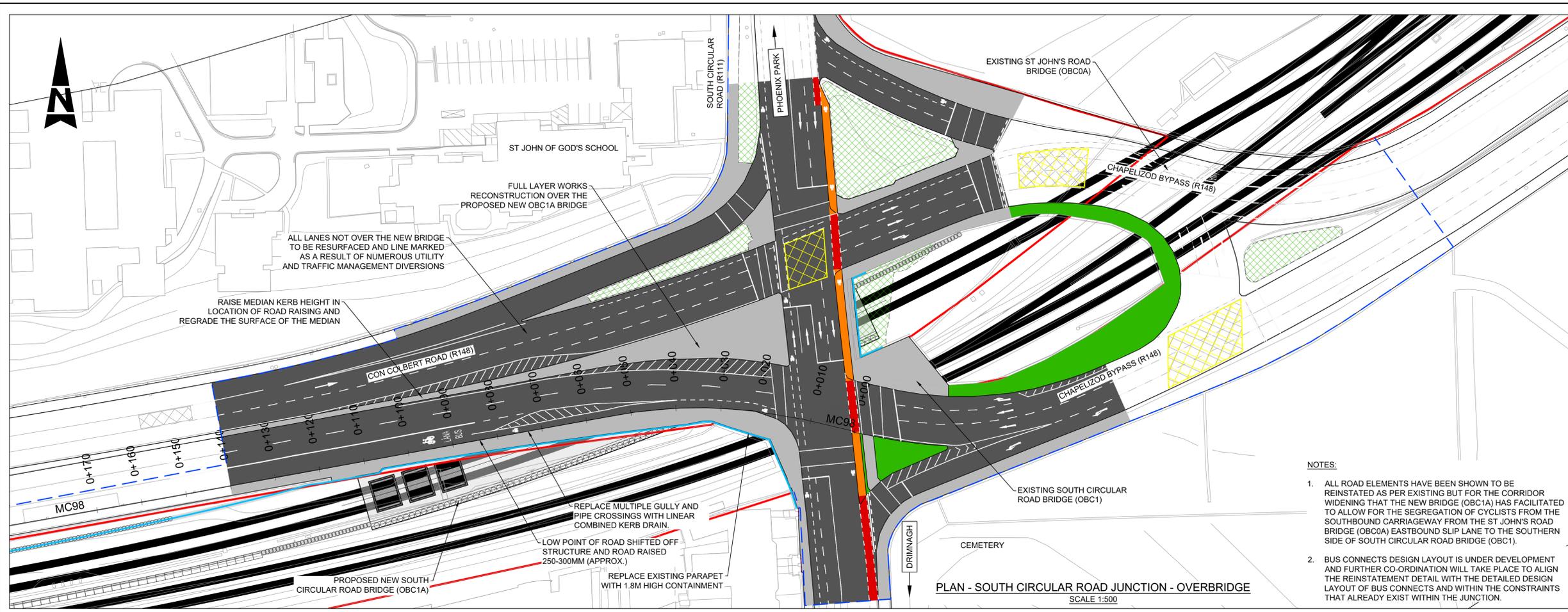
| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 29/10/21 | AOS | RM | AG | ISSUED FOR PUBLIC CONSULTATION 2 |

Client
larnród Éireann
Irish Rail

Engineering Designer
ATKINS
Supported by:
rps

| | |
|--|-----------------------------------|
| Project Title DART + SOUTH WEST | |
| Drawing Title SOUTH CIRCULAR ROAD BRIDGE (OBC1) BRIDGE DECK CROSS SECTION TYPE 2 | |
| Date 06/09/21 | Scale Shown @ A1 Shown @ A3 |
| Drawn AOS | Checked RM |
| Approved AG | |
| Project Code 5199586 | Issuer TTA |
| QMS Code | |
| Drawing File Name DP-04-23-DWG-ST-TTA-57124 | Version v01 |
| Status S3 | |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



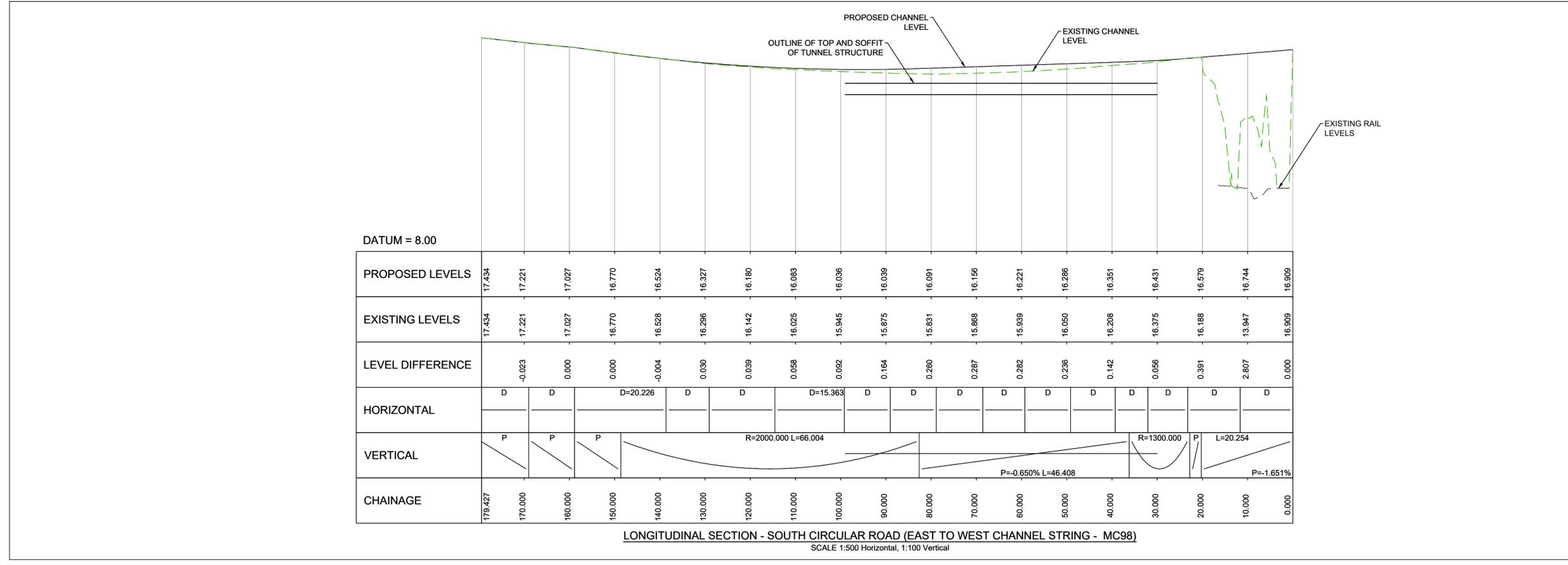
- LEGEND:**
- IRISH RAIL PROPERTY BOUNDARY
 - H4A CONTAINMENT
 - - - TEMPORARY WORKS BOUNDARY
 - CARRIAGEWAY
 - PROPOSED FOOTPATH
 - PROPOSED SHARED SPACE
 - PROPOSED RAISED CYCLE TRACK / LANE
 - PROPOSED ON ROAD CYCLE LANE
 - PROPOSED TACTILE PAVING (CONTROLLED)
 - PROPOSED TACTILE PAVING (UNCONTROLLED)
 - PROPOSED GRASS VERGE
 - EXISTING GRASS VERGE TO BE RETAINED

NOTES:

1. DO NOT SCALE FROM DRAWING.

NOTES:

1. ALL ROAD ELEMENTS HAVE BEEN SHOWN TO BE REINSTATED AS PER EXISTING BUT FOR THE CORRIDOR WIDENING THAT THE NEW BRIDGE (OBC1A) HAS FACILITATED TO ALLOW FOR THE SEGREGATION OF CYCLISTS FROM THE SOUTHBOUND CARRIAGEWAY FROM THE ST JOHN'S ROAD BRIDGE (OBC0A) EASTBOUND SLIP LANE TO THE SOUTHERN SIDE OF SOUTH CIRCULAR ROAD BRIDGE (OBC1).
2. BUS CONNECTS DESIGN LAYOUT IS UNDER DEVELOPMENT AND FURTHER CO-ORDINATION WILL TAKE PLACE TO ALIGN THE REINSTATEMENT DETAIL WITH THE DETAILED DESIGN LAYOUT OF BUS CONNECTS AND WITHIN THE CONSTRAINTS THAT ALREADY EXIST WITHIN THE JUNCTION.



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| Rev | Date | Drn | Chkd | App'd | Description |
|-----|----------|-----|------|-------|----------------------------------|
| V01 | 28.10.21 | DB | JX | DM | ISSUED FOR PUBLIC CONSULTATION 2 |

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Member of the SNC-Lavalin Group)

Supported by: **rps**

Date: 01.10.21
 AS SHOWN @ A1
 AS SHOWN @ A3

Project Code: 5199586
 Issuer: ATK

QMS Code: _____

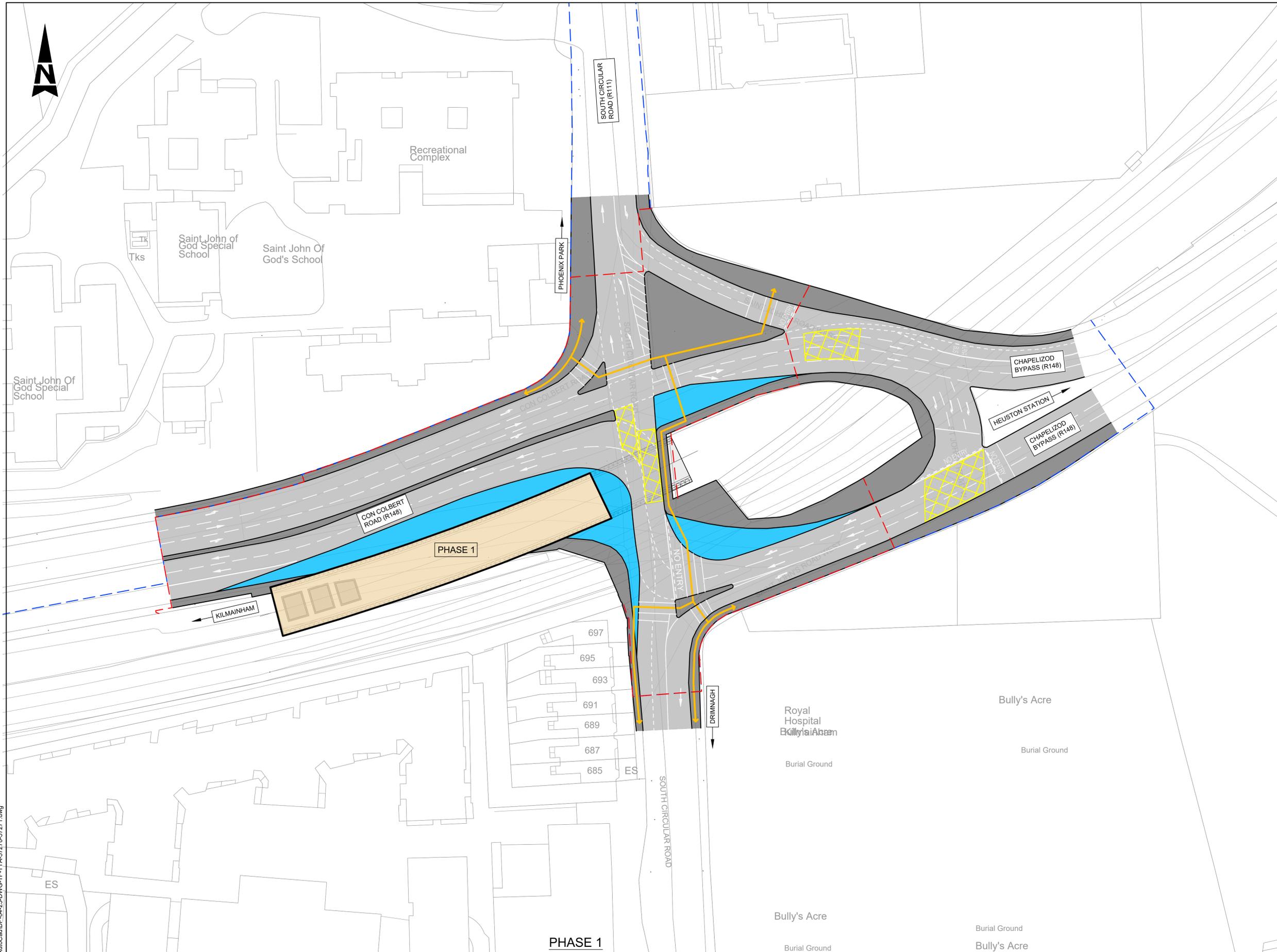
Project Title: **DART + SOUTH WEST**

Drawing Title: **SOUTH CIRCULAR ROAD BRIDGE (OBC1) ROAD - PLAN AND PROFILE**

Drawing File Name: DP-04-23-DWG-CV-TTA-56551

Version: V01
 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



NOTE: INFORMATION IS PRESENTED FOR PUBLIC CONSULTATION NO. 1.

- NOT ALL DESIGN DETAIL OR CONSTRUCTION RELATED DETAILS ARE KNOWN AT THIS TIME. E.G. SUBSTATION LOCATIONS, CONSTRUCTION COMPOUNDS, TEMPORARY BRIDGE REQUIREMENTS, TEMPORARY UTILITY DIVERSIONS AND OTHER ELEMENTS.
- POTENTIAL INTERFERENCE WITH PROPERTY RIGHTS IS BASED ON THE LEVEL OF INFORMATION AND DESIGN AVAILABLE AT THIS TIME. FURTHER WORK INCLUDING DETAILED DESIGN AND TECHNICAL AND CONSTRUCTION RELATED SOLUTIONS WILL SEEK TO MINIMISE POTENTIAL INTERFERENCE WITH PROPERTY RIGHTS.

LEGEND:

- CONSTRUCTION PHASES
- BUILDOUTS
- CARRIAGEWAY
- EXISTING FOOT PATH / TRAFFIC ISLAND RETAINED
- PEDESTRIAN AND CYCLE FACILITIES
- TEMPORARY WORKS BOUNDARY
- PERMANENT WORKS BOUNDARY

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| Rev | Date | Drn | Chkd | App'd | Description |
|-----|----------|-----|------|-------|----------------------------------|
| v01 | 12.10.21 | RG | NV | JX | ISSUED FOR PUBLIC CONSULTATION 2 |

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS** (Supported by **TYPESA** and **rps**)

Date: 24.01.21 | Scale: 1:500 @ A1, 1:1000 @ A3

Project Code: 5199856 | Issuer: ATK | QMS Code: []

Drawn: JX | Checked: JX | Approved: TM

| | |
|--|---------------------------|
| Project Title: DART + SOUTH WEST | |
| Drawing Title: SOUTH CIRCULAR ROAD BRIDGE (OBC1) TEMPORARY TRAFFIC MANAGEMENT PHASE 1 | |
| Drawing File Name: DP-04-23-DWG-TF-TTA-57270 | Version: v01 Status: S3 |

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NOTE: INFORMATION IS PRESENTED FOR PUBLIC CONSULTATION NO. 1.

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- LEGEND:**
- CONSTRUCTION PHASES
 - BUILDOUTS
 - CARRIAGEWAY
 - EXISTING FOOT PATH / TRAFFIC ISLAND RETAINED
 - PEDESTRIAN AND CYCLE FACILITIES
 - TEMPORARY WORKS BOUNDARY
 - PERMANENT WORKS BOUNDARY

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| Rev | Date | Drn | Chkd | App'd | Description |
|-----|----------|-----|------|-------|----------------------------------|
| v01 | 12.10.21 | RG | NV | JX | ISSUED FOR PUBLIC CONSULTATION 2 |

Client: **Iarnród Éireann Irish Rail**

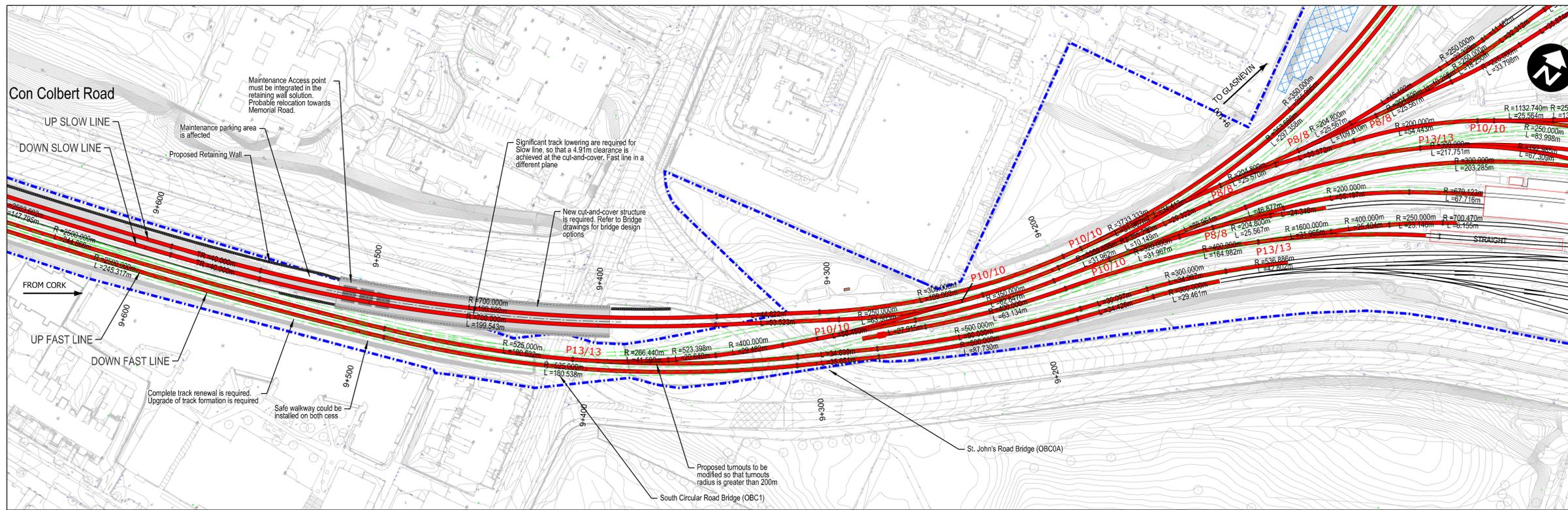
Engineering Designer: **ATKINS** (TYPSA Member of the SNC-Lavalin Group)

Supported by: **rps**

| | | | | | | | | | |
|--------------|----------|--------|---------------------------|----------|----|---------|----|----------|----|
| Date | 24.01.21 | Scale | 1:500 @ A1 1:1000 @ A3 | Drawn | JX | Checked | JX | Approved | TM |
| Project Code | 5199856 | Issuer | ATK | QMS Code | | | | | |

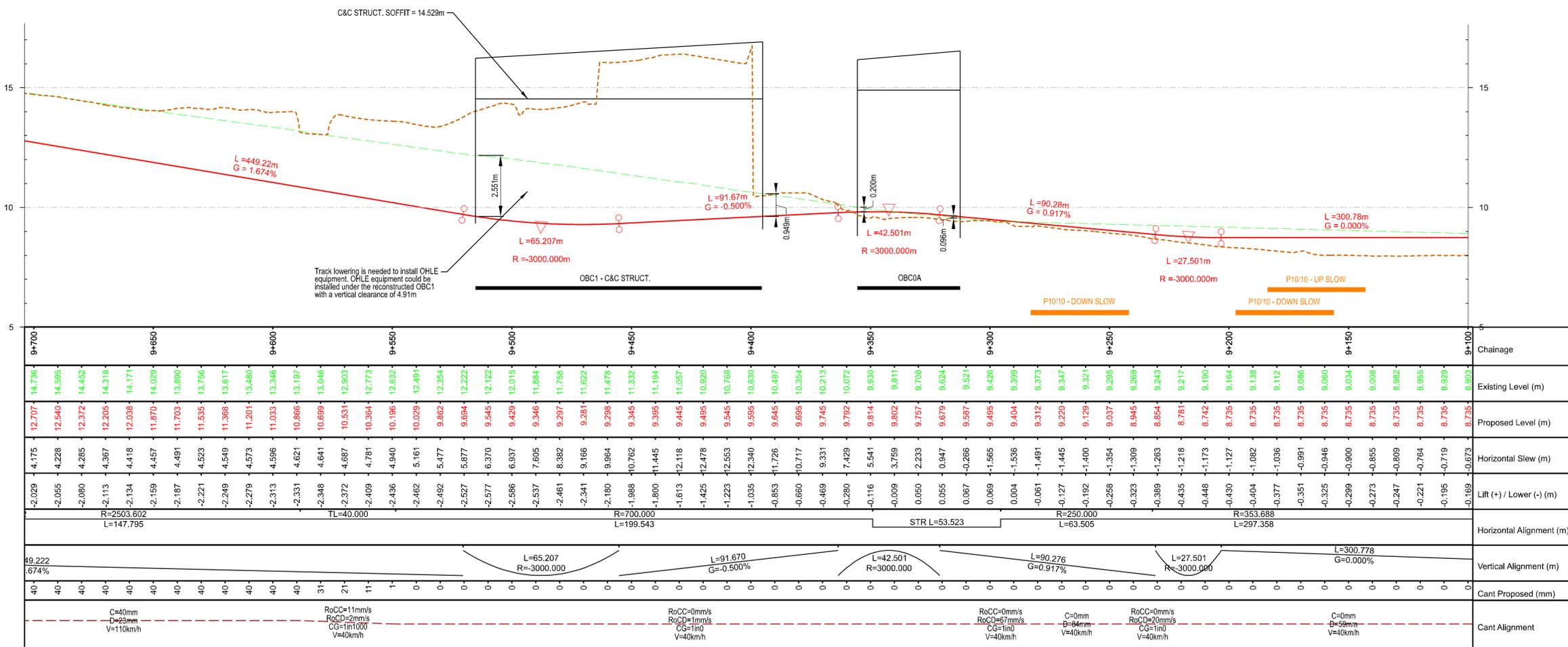
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|-------------------|--|---------|-----|
| Project Title | DART + SOUTH WEST | | |
| Drawing Title | SOUTH CIRCULAR ROAD BRIDGE (OBC1) TEMPORARY TRAFFIC MANAGEMENT PHASE 2 | | |
| Drawing File Name | DP-04-23-DWG-TF-TTA-57271 | Version | v01 |
| Status | S3 | | |

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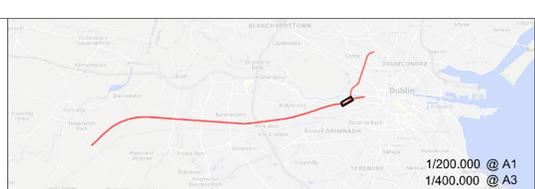
- Design is based on topographical survey QT-94577-Dart-Southwest Section_01 to 10 (DWG format) in ITM coordinates.
- Design speed through Islandbridge junction is 20mph.
- Vertical profile is shown for the Down Slow. Data of the existing track is referred to Down Slow.
- Rail levels is the result of a coordinated work between Per Way, OHLE, Drainage, Civils and Road disciplines.
- Slow tracks to be electrified.

Plan Scale 1:1000



NOTE:
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| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 21/09/21 | CDM | JYM | PR | ISSUED FOR PUBLIC CONSULTATION 2 |

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **TYPASA**, **ATKINS**, **TUC**

Supported by: **rps**

Date: [] Scale: @ A1 @ A3

Project Code: [] Issuer: ATK

Drawn: [] Checked: [] Approved: []

QMS Code: []

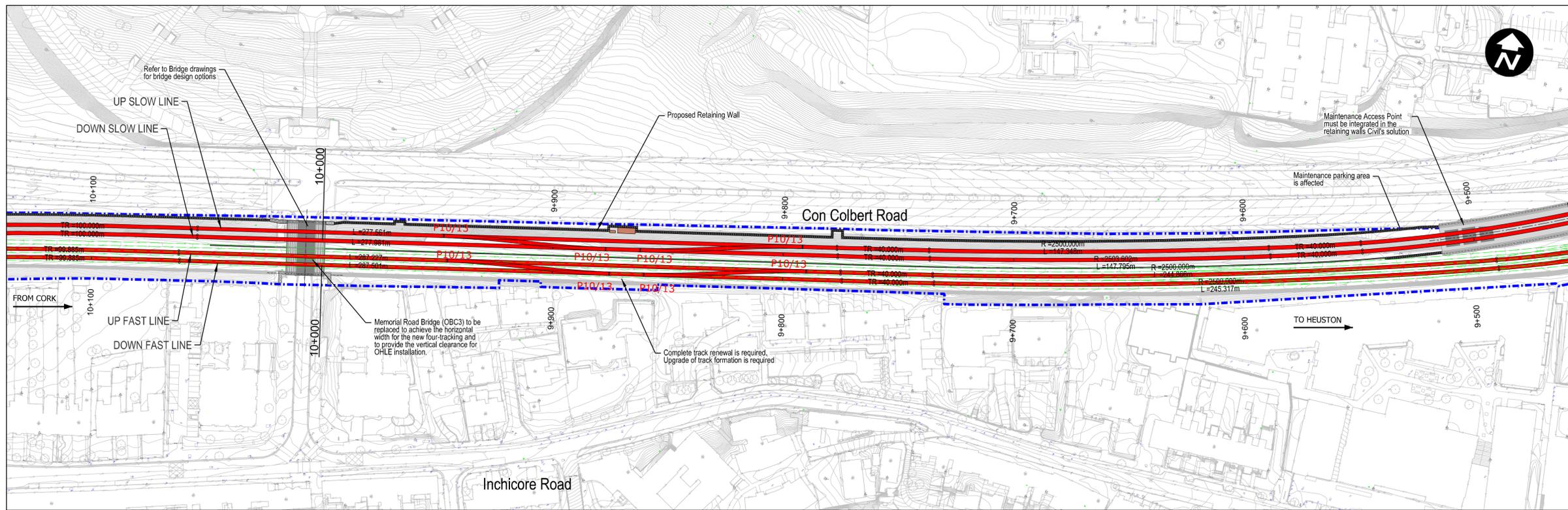
Project Title: **DART + SOUTH WEST**

Drawing Title: **SOUTH CIRCULAR ROAD (OBC1/OBC1A) TRACK PLAN LAYOUT AND LONGITUDINAL PROFILE (SHEET 1 of 2)**

Drawing File Name: **DP-04-23-DWG-PW-TTA-57000**

Version: **v01** Status: **S3**

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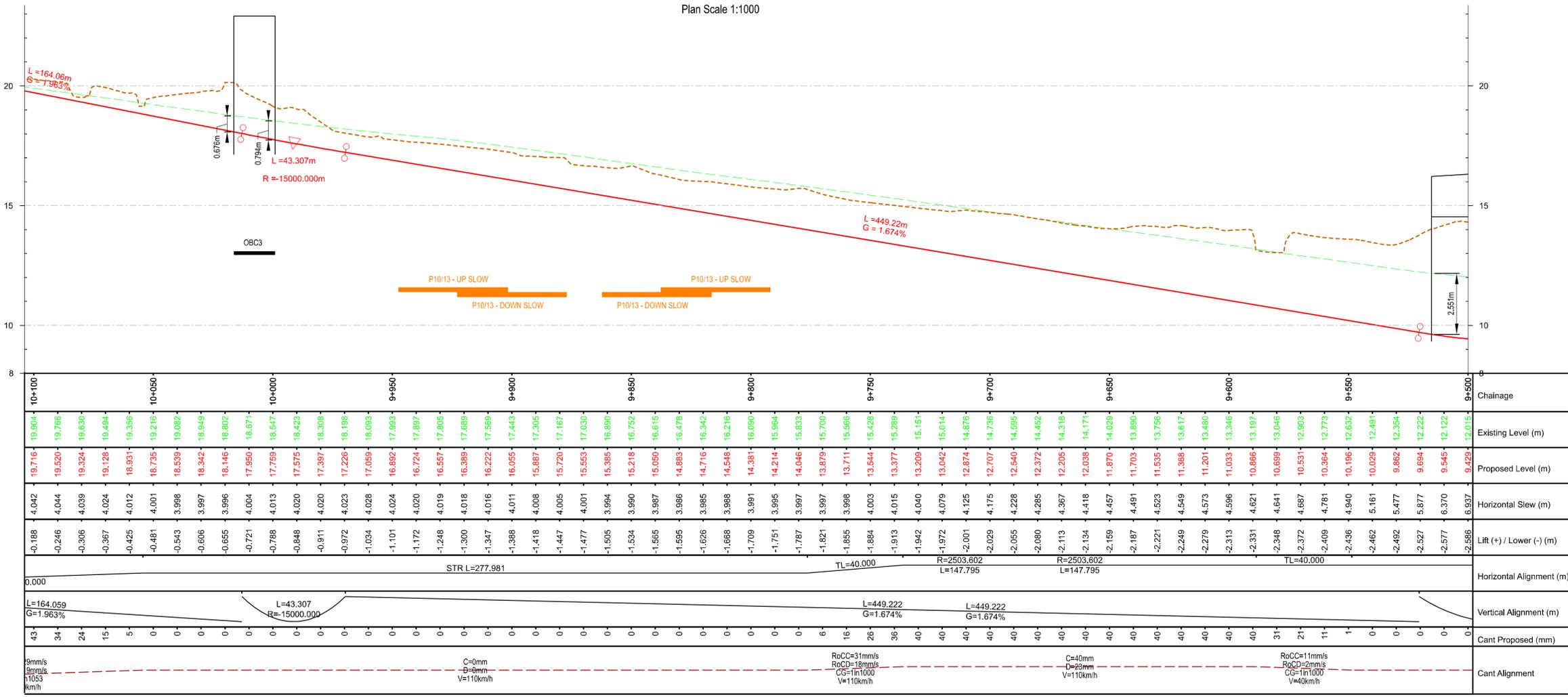


Legend:

- Renewed Track / Slew Track
- Existing Track to be Retained (Main Lines)
- Existing Track to be Retained (Not Main Lines)
- Existing Track to be Removed
- IÉ Property Boundary
- Proposed Retaining Wall
- P8/8 Type of Turnout
- Low Voltage/Telecommunications/Signalling cabinets

- Design is based on topographical survey QT-94577-Dart-Southwest Section_01 to 10 (DWG format) in ITM coordinates.
- Design speed through Islandbridge junction is 20mph.
- Vertical profile is shown for the Down Slow. Data of the existing track is referred to Down Slow.
- Rail levels is the result of a coordinated work between Per Way, OHLE, Drainage, Civils and Road disciplines.
- Slow tracks to be electrified.

Plan Scale 1:1000



Profile Scale 1:1000 / 1:100

NOTE:
INFORMATION IS PRESENTED FOR PUBLIC CONSULTATION NO. 2
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| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 21/09/21 | CDM | JYM | PR | ISSUED FOR PUBLIC CONSULTATION 2 |

Client: Iarnród Éireann Irish Rail

Engineering Designer: TYPESA, Atkins, RPS

Supported by: CDM, JYM, PR

Date: 21/09/21
Scale: @ A1, @ A3
Project Code: ATK

Project Title: DART + SOUTH WEST

Drawing Title: SOUTH CIRCULAR ROAD (OBC1/OBC1A) TRACK PLAN LAYOUT AND LONGITUDINAL PROFILE (SHEET 2 of 2)

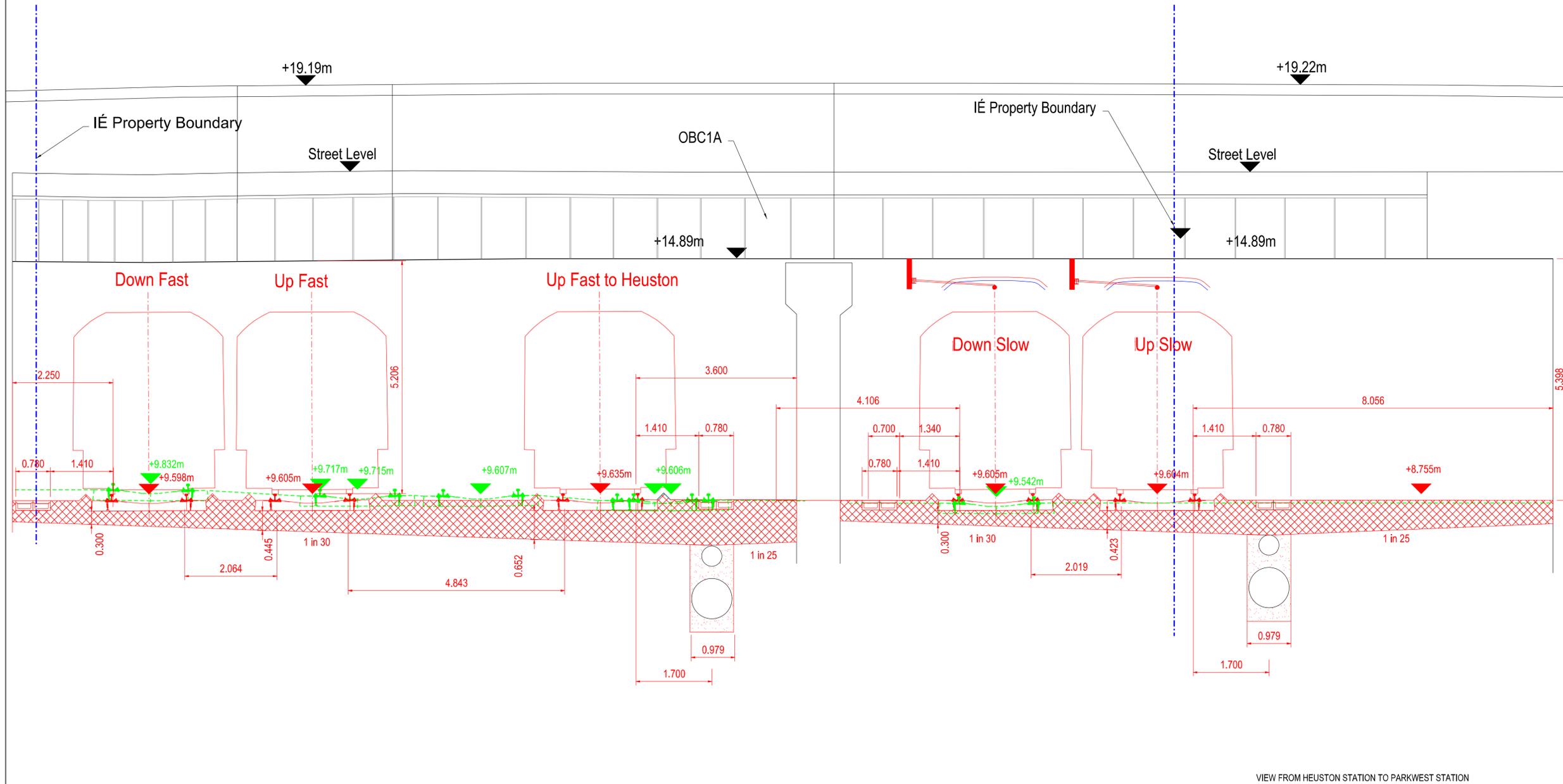
Drawing File Name: DP-04-23-DWG-PW-TTA-57001

Version: v01
Status: S3

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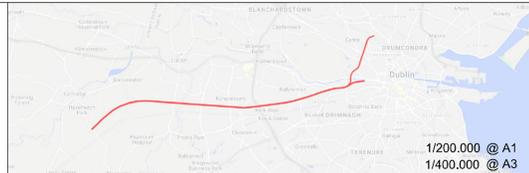
Legend:

- Existing Elements
- - - To be Removed
- Renewed Elements



VIEW FROM HEUSTON STATION TO PARKWEST STATION

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| Rev | Date | Drm | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 21/09/21 | CMS | JYM | PR | ISSUED FOR PUBLIC CONSULTATION 2 |

Client

Engineering Designer

Supported by:

Drawn: CMS
 Checked: JYM
 Approved: PR

Project Title
DART + SOUTH WEST

Drawing Title
**ST. JOHN'S ROAD BRIDGE (OBC0A)
 CROSS SECTION @Ch 9+312**

Drawing File Name
 DP-04-23-DWG-PW-TTA-57002

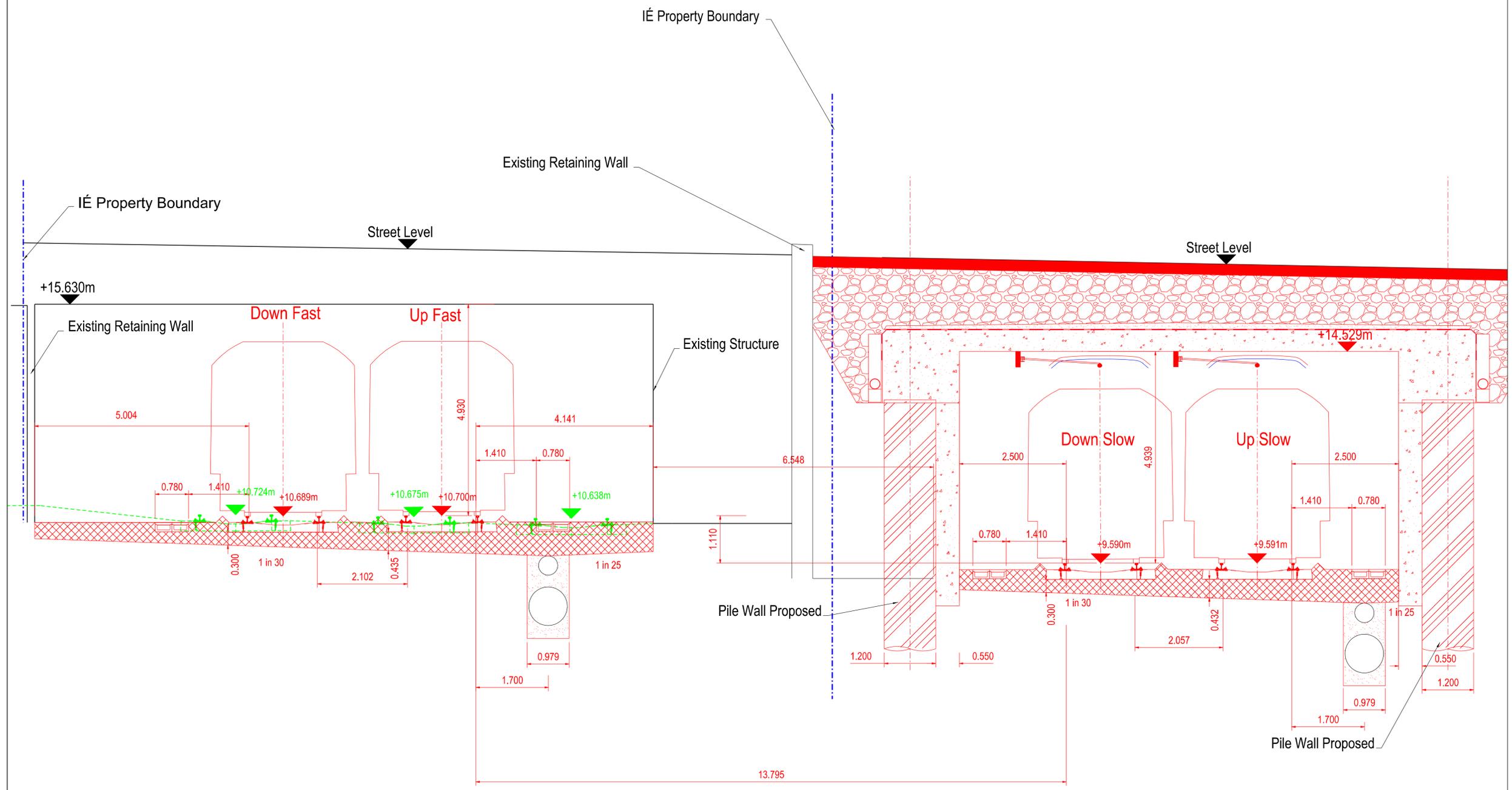
Version
 v01

Status
 S3

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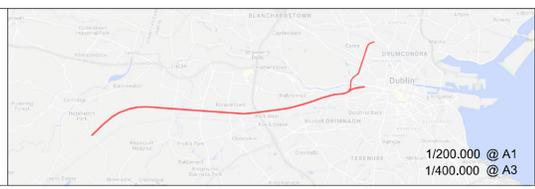
Legend:

- Existing Elements
- To be Removed
- Renewed Elements



VIEW FROM HEUSTON STATION TO PARKWEST STATION

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| Rev | Date | Drn | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 21/09/21 | CMS | JYM | PR | ISSUED FOR PUBLIC CONSULTATION 2 |

Client

 Date
 Project Code
 Issuer

Engineering Designer

 Supported by:

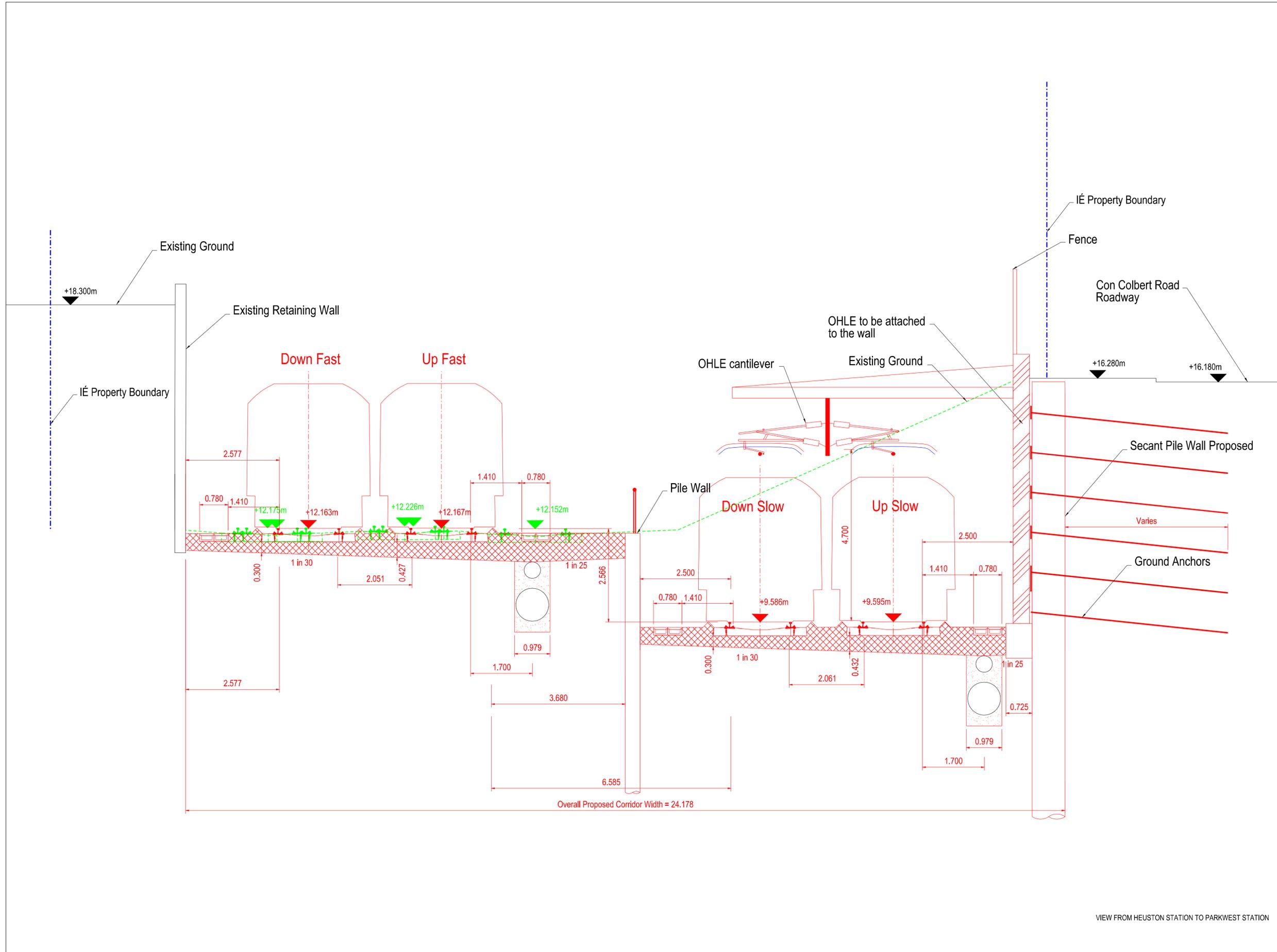
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 Scale
 Project Code
 Issuer

Project Title
DART + SOUTH WEST
 Drawing Title
**SOUTH CIRCULAR ROAD (OBC1)
 CROSS SECTION @Ch 9+401**
 Drawing File Name
 DP-04-23-DWG-PW-TTA-57003
 Version
 v01
 Status
 S3

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Legend:

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- To be Removed
- Renewed Elements



VIEW FROM HEUSTON STATION TO PARKWEST STATION

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| Rev | Date | Dm | Chk'd | App'd | Description |
|-----|----------|-----|-------|-------|----------------------------------|
| v01 | 21/09/21 | CMS | JYM | PR | ISSUED FOR PUBLIC CONSULTATION 2 |

Client

 Date
 Scale 1/50 @ A1, 1/100 @ A3
 Project Code
 Issuer ATK

Engineering Designer

 Supported by:

 Drawn: CMS
 Checked: JYM
 Approved: PR
 QMS Code

| | | | |
|-------------------|--|---------|-----|
| Project Title | DART + SOUTH WEST | | |
| Drawing Title | CON COLBERT ROAD CROSS SECTION @Ch 9+513 | | |
| Drawing File Name | DP-04-23-DWG-PW-TTA-57004 | Version | v01 |
| Status | S3 | | |

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