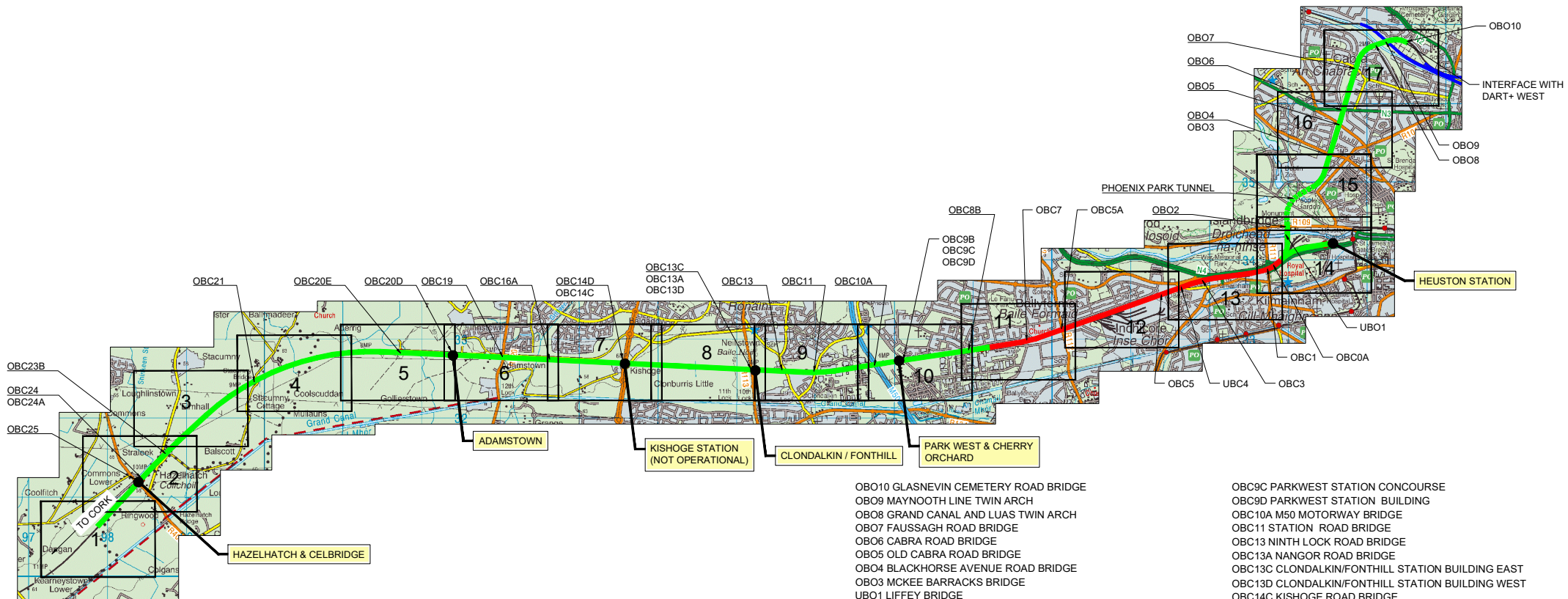

Appendix D

Schematics



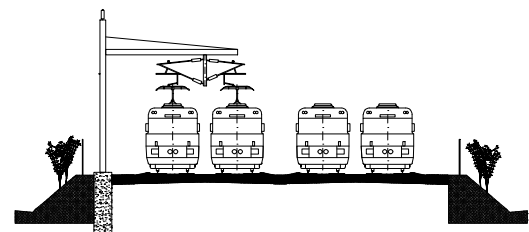
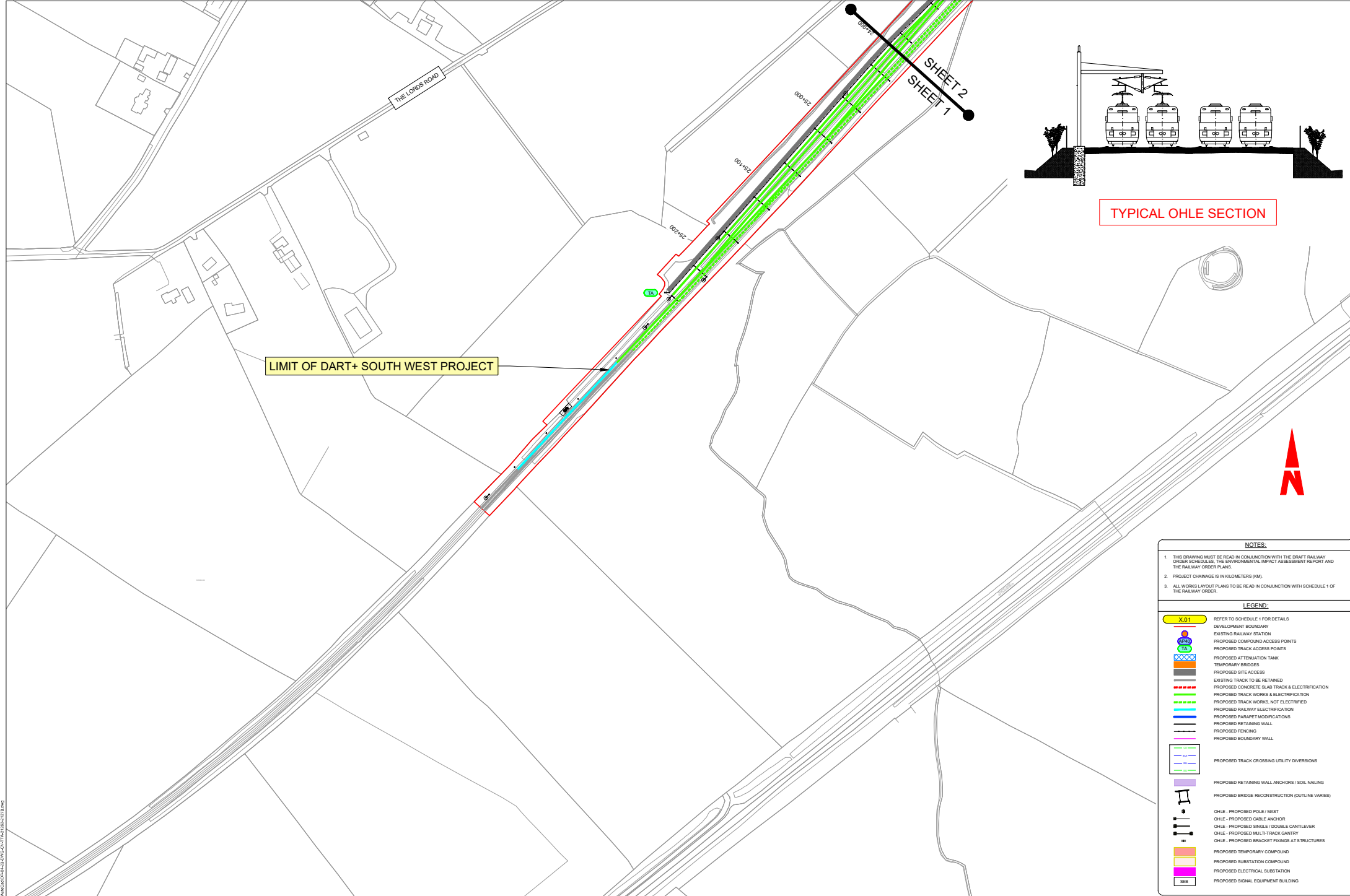
- LEGEND:**
- DART+ SOUTH WEST ELECTRIFICATION
 - DART+ SOUTH WEST ELECTRIFICATION AND FOUR TRACKING
 - EXISTING STATIONS
 - OBXX EXISTING BRIDGE / ROAD OVER RAILWAY CORRIDOR
 - UBXX EXISTING BRIDGE / ROAD / RIVER UNDER RAILWAY CORRIDOR

- OBO10 GLASNEVIN CEMETERY ROAD BRIDGE
- OBO9 MAYNOOTH LINE TWIN ARCH
- OBO8 GRAND CANAL AND LUAS TWIN ARCH
- OBO7 FAUSSAGH ROAD BRIDGE
- OBO6 CABRA ROAD BRIDGE
- OBO5 OLD CABRA ROAD BRIDGE
- OBO4 BLACKHORSE AVENUE ROAD BRIDGE
- OBO3 MCKEE BARRACKS BRIDGE
- UBO1 LIFFEY BRIDGE
- OBO2 CONYNGHAM ROAD BRIDGE
- OBC0A ST. JOHN'S ROAD BRIDGE
- OBC1 SOUTH CIRCULAR ROAD BRIDGE / ISLAND BRIDGE JUNCTION
- OBC3 MEMORIAL ROAD BRIDGE
- UBC4 SARSFIELD ROAD BRIDGE
- OBC5 KHYBER PASS BRIDGE
- OBC5A KYLEMORE ROAD BRIDGE
- OBC7 LE FANU ROAD BRIDGE
- OBC8B FOOTBRIDGE CHERRY ORCHARD
- OBC9B PARK WEST AVENUE ROAD BRIDGE
- OBC9C PARKWEST STATION CONCOURSE
- OBC9D PARKWEST STATION BUILDING
- OBC10A M50 MOTORWAY BRIDGE
- OBC11 STATION ROAD BRIDGE
- OBC13 NINTH LOCK ROAD BRIDGE
- OBC13A NANGOR ROAD BRIDGE
- OBC13C CLONDALKIN/FONTHILL STATION BUILDING EAST
- OBC13D CLONDALKIN/FONTHILL STATION BUILDING WEST
- OBC14C KISHOGE ROAD BRIDGE
- OBC14D KISHOGE STATION
- OBC16A ADAMSTOWN FOOTBRIDGE
- OBC19 ROAD R120 NEAR FINNSTOWN
- OBC20D ADAMSTOWN STATION BUILDING
- OBC20E CROWLEY'S ROAD BRIDGE
- OBC21 STACUMMY ROAD BRIDGE
- OBC23B NEW FOOTBRIDGE STRALEEK
- OBC24 HAZELHATCH FOOTBRIDGE
- OBC24A NEW HAZELHATCH FOOTBRIDGE
- OBC25 HAZELHATCH R405 ROAD BRIDGE

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 All co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Tanyahy College (TL02).

		Client Irish Rail		Project Title DART+ SOUTH WEST	
Rev v01		Date 10.11.22		Drawn CS	
Issued CS		Checked CS		Approved CS	
Description PLANNING ISSUE		Scale N.T.S @ A0		Project File DP-04-23-DWG-CV-TTA-21281	
Project Code 578666		Issue TTA		Drawing File Name DP-04-23-DWG-CV-TTA-21281	
Author CS		Drawn CS		Version v01	
Checker CS		Approved CS		Status S3	

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TYPICAL OHL SECTION

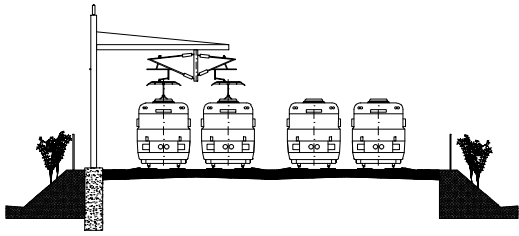
LIMIT OF DART+ SOUTH WEST PROJECT

NOTES:

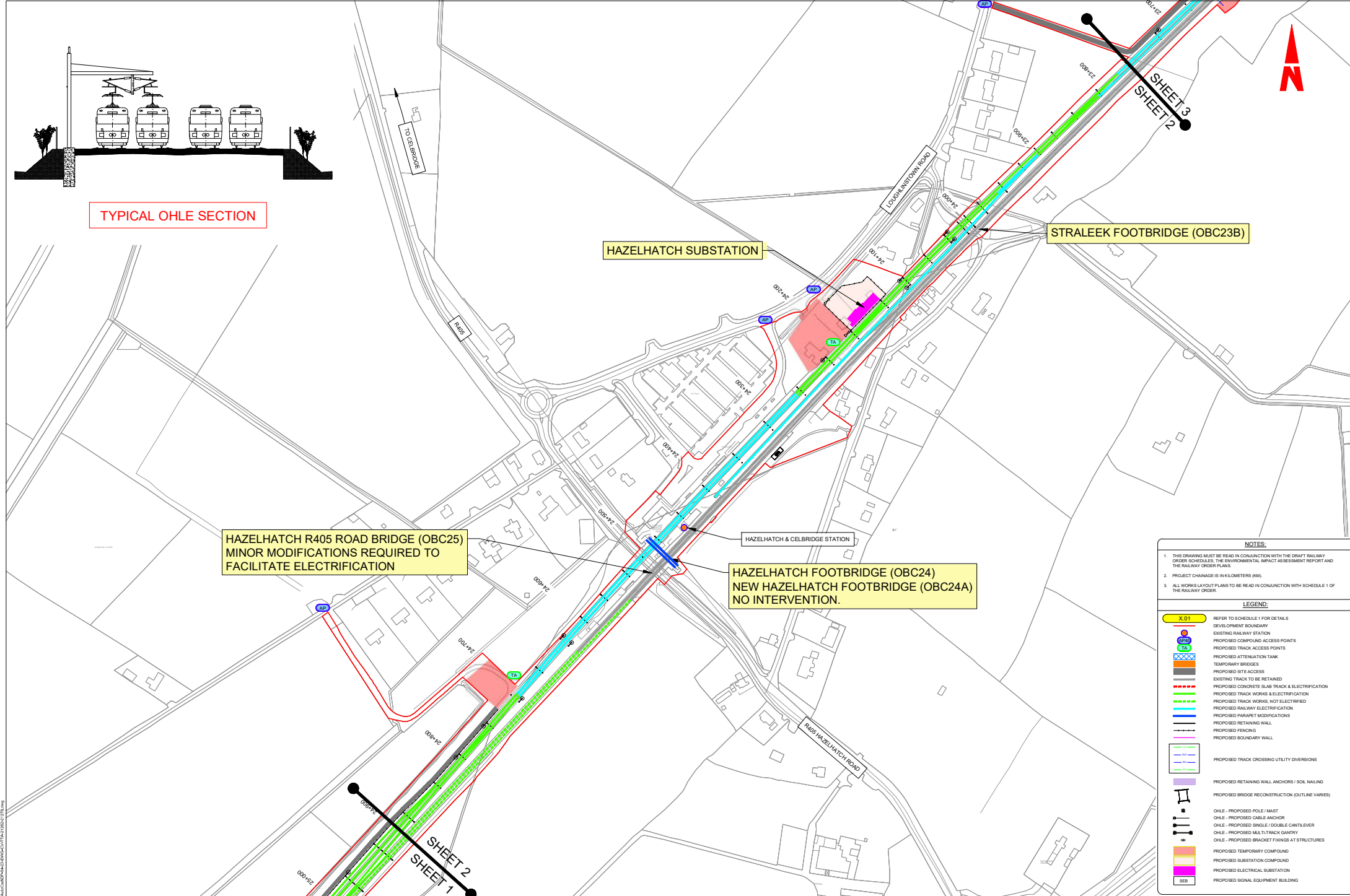
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGING IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

	REFER TO SCHEDULE 1 FOR DETAILS
	DEVELOPMENT BOUNDARY
	EXISTING RAILWAY STATION
	PROPOSED COMPOUND ACCESS POINTS
	PROPOSED TRACK ACCESS POINTS
	PROPOSED ATTENUATION TANK
	TEMPORARY BRIDGES
	PROPOSED SITE ACCESS
	EXISTING TRACK TO BE RETAINED
	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
	PROPOSED TRACK WORKS ELECTRIFICATION
	PROPOSED TRACK WORKS, NOT ELECTRIFIED
	PROPOSED RAILWAY ELECTRIFICATION
	PROPOSED PARAPET MODIFICATIONS
	PROPOSED RETAINING WALL
	PROPOSED FENCING
	PROPOSED BOUNDARY WALL
	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
	PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
	OHL - PROPOSED POLE / MAST
	OHL - PROPOSED CABLE ANCHOR
	OHL - PROPOSED SINGLE / DOUBLE CANTILEVER
	OHL - PROPOSED MULTITRACK GANTRY
	OHL - PROPOSED BRACKET FONDS AT STRUCTURES
	PROPOSED TEMPORARY COMPOUND
	PROPOSED SUBSTATION COMPOUND
	PROPOSED ELECTRICAL SUBSTATION
	PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



HAZELHATCH R405 ROAD BRIDGE (OBC25)
MINOR MODIFICATIONS REQUIRED TO
FACILITATE ELECTRIFICATION

HAZELHATCH SUBSTATION

STRALEEK FOOTBRIDGE (OBC23B)

HAZELHATCH & CELBRIDGE STATION

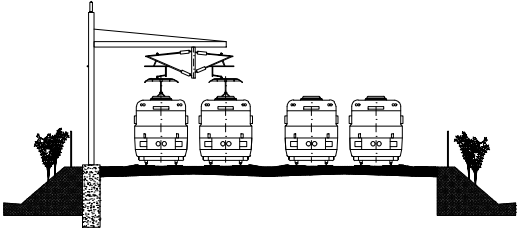
HAZELHATCH FOOTBRIDGE (OBC24)
NEW HAZELHATCH FOOTBRIDGE (OBC24A)
NO INTERVENTION.

NOTES:

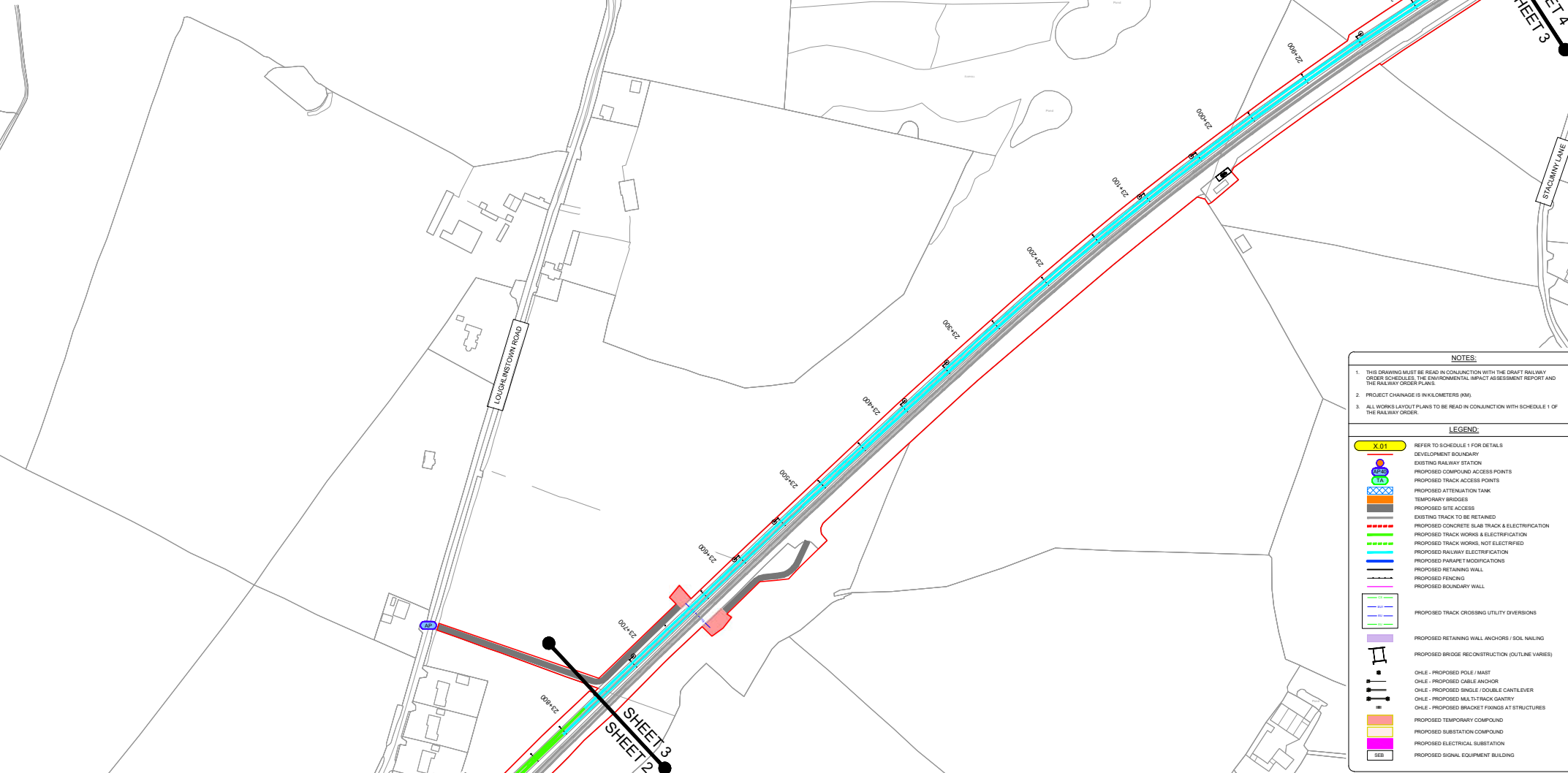
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X.01 REFER TO SCHEDULE 1 FOR DETAILS
- DEVELOPMENT BOUNDARY
- EXISTING RAILWAY STATION
- PROPOSED TRACK ACCESS POINTS
- PROPOSED ATTENUATION TANK
- TEMPORARY BRIDGES
- PROPOSED SITE ACCESS
- EXISTING TRACK TO BE RETAINED
- PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
- PROPOSED TRACK WORKS ELECTRIFICATION
- PROPOSED TRACK WORKS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PHASING MODIFICATIONS
- PROPOSED RETAINING WALL
- PROPOSED FENCING
- PROPOSED BOUNDARY WALL
- PROPOSED TRACK CROSSING UTILITY DIVERSIONS
- PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
- OHLE - PROPOSED POLE / MAST
- OHLE - PROPOSED CABLE ANCHOR
- OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
- OHLE - PROPOSED MULTI-TRACK GIANTRY
- OHLE - PROPOSED BRACKET FINNISH AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGE IS IN KILOMETERS (KM)
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X 01 REFER TO SCHEDULE 1 FOR DETAILS
- DEVELOPMENT BOUNDARY
- EXISTING RAILWAY STATION
- PROPOSED COMPOUND ACCESS POINTS
- PROPOSED TRACK ACCESS POINTS
- PROPOSED ATTENUATION TANK
- TEMPORARY BRIDGES
- PROPOSED SITE ACCESS
- EXISTING TRACK TO BE RETAINED
- PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
- PROPOSED TRACK WORKS & ELECTRIFICATION
- PROPOSED TRACK WORKS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PARAPET MODIFICATIONS
- PROPOSED RETAINING WALL
- PROPOSED FENCING
- PROPOSED BOUNDARY WALL
- PROPOSED TRACK CROSSING UTILITY DIVERSIONS
- PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
- OHLE - PROPOSED POLE / MAST
- OHLE - PROPOSED CABLE ANCHOR
- OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
- OHLE - PROPOSED MULTITRACK GANTY
- OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING

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Rev	Date	Drn	CHKD	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **Irish Rail**

Scale: 1:1250 @ A0

Date: 29.09.22

Project Code: 20220705

Author: TTA

QMS Code

Checked: JP

Approved: CS

Project Title: **DART+ SOUTH WEST**

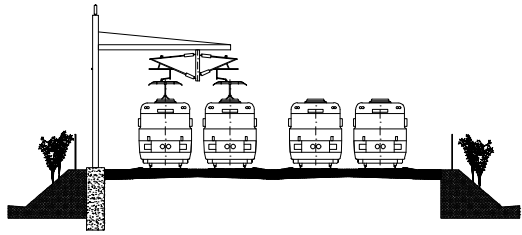
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Drawing File Name: **DP-04-23-DWG-CV-TTA-21264**

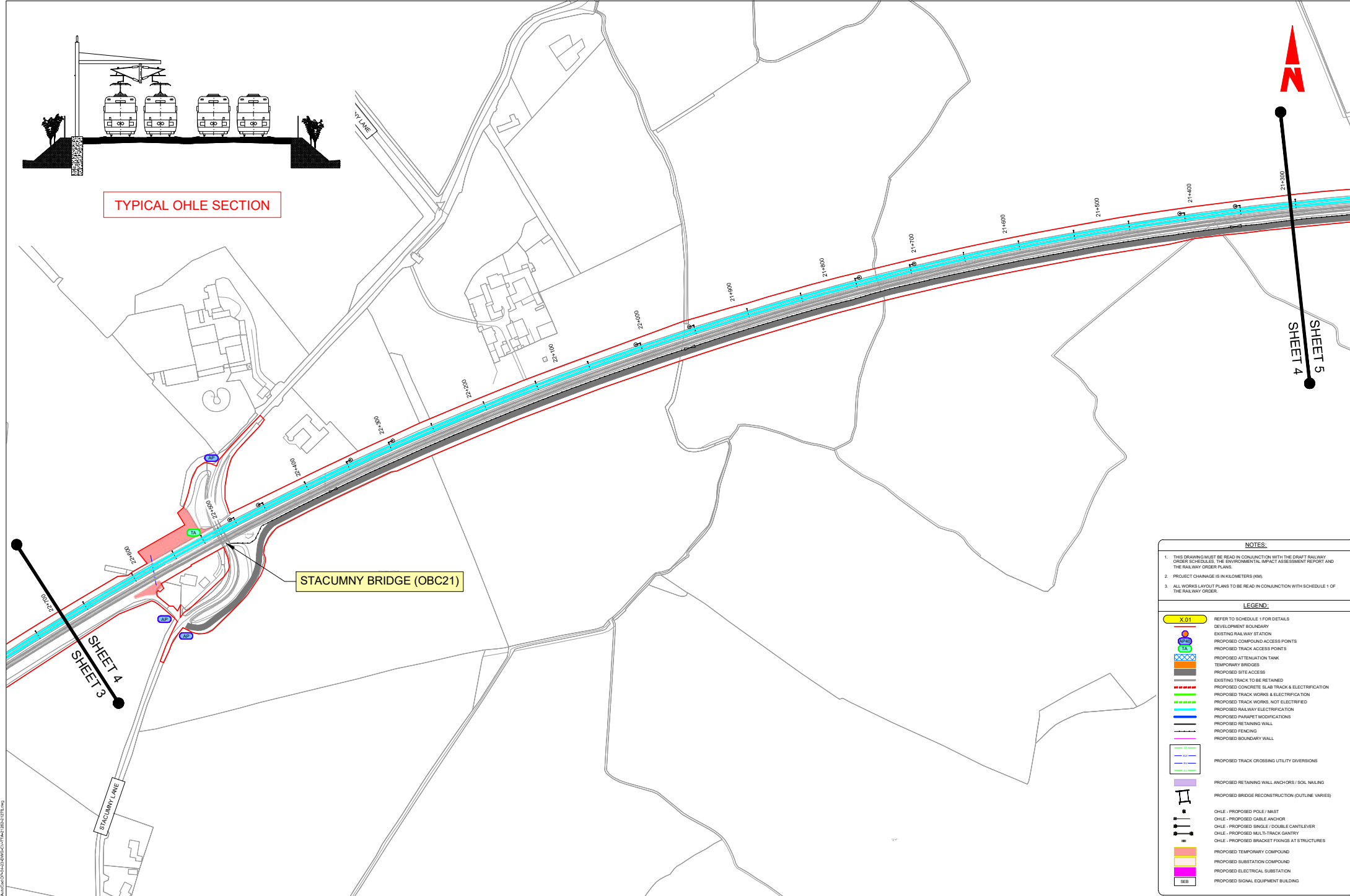
Version: 01

Status: S3

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TYPICAL OHLE SECTION



SHEET 5
SHEET 4

NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHAINAGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

	REFER TO SCHEDULE 1 FOR DETAILS
	DEVELOPMENT BOUNDARY
	EXISTING RAILWAY STATION
	PROPOSED TRACK ACCESS POINTS
	PROPOSED TRACK ACCESS POINTS
	PROPOSED ATTENUATION TANK
	TEMPORARY BRIDGES
	PROPOSED SITE ACCESS
	EXISTING TRACK TO BE RETAINED
	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
	PROPOSED TRACK WORKS ELECTRIFICATION
	PROPOSED TRACK WORKS NOT ELECTRIFIED
	PROPOSED RAILWAY ELECTRIFICATION
	PROPOSED PARAPET MODIFICATIONS
	PROPOSED RETAINING WALL
	PROPOSED FENCING
	PROPOSED BOUNDARY WALL
	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
	PROPOSED RETAINING WALL ANCHORS / SOL NAILING
	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
	OHLE - PROPOSED POLE / MAST
	OHLE - PROPOSED CABLE ANCHOR
	OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
	OHLE - PROPOSED MULTI-TRACK GANTRY
	OHLE - PROPOSED BRACKET FINISH AT STRUCTURES
	PROPOSED TEMPORARY COMPOUND
	PROPOSED SUBSTATION COMPOUND
	PROPOSED ELECTRICAL SUBSTATION
	PROPOSED SIGNAL EQUIPMENT BUILDING

STACUMNY BRIDGE (OBC21)

SHEET 4
SHEET 3

01/10/2023 10:11:22 D:\Projects\2023\DP-04-23-DWG-CV-TT-21285\Drawings\

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 All elevations are in metres and unless so stated Geoid Model: (1/2023) Mean Sea Level as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Yangaig College (TL02).



Rev	Date	Drn	CHKD	Appr'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **Irish Rail**

Scale: 1:1250 @ A3

Date: 20.09.22

Project Code: 519999

Issue: TTA

Drawn: JF

Checked: JF

Approved: CS

Project Title: **DART+ SOUTH WEST**

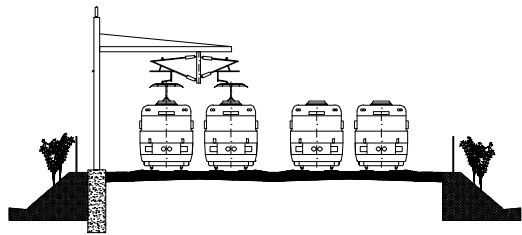
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Drawing File Name: **DP-04-23-DWG-CV-TT-21285**

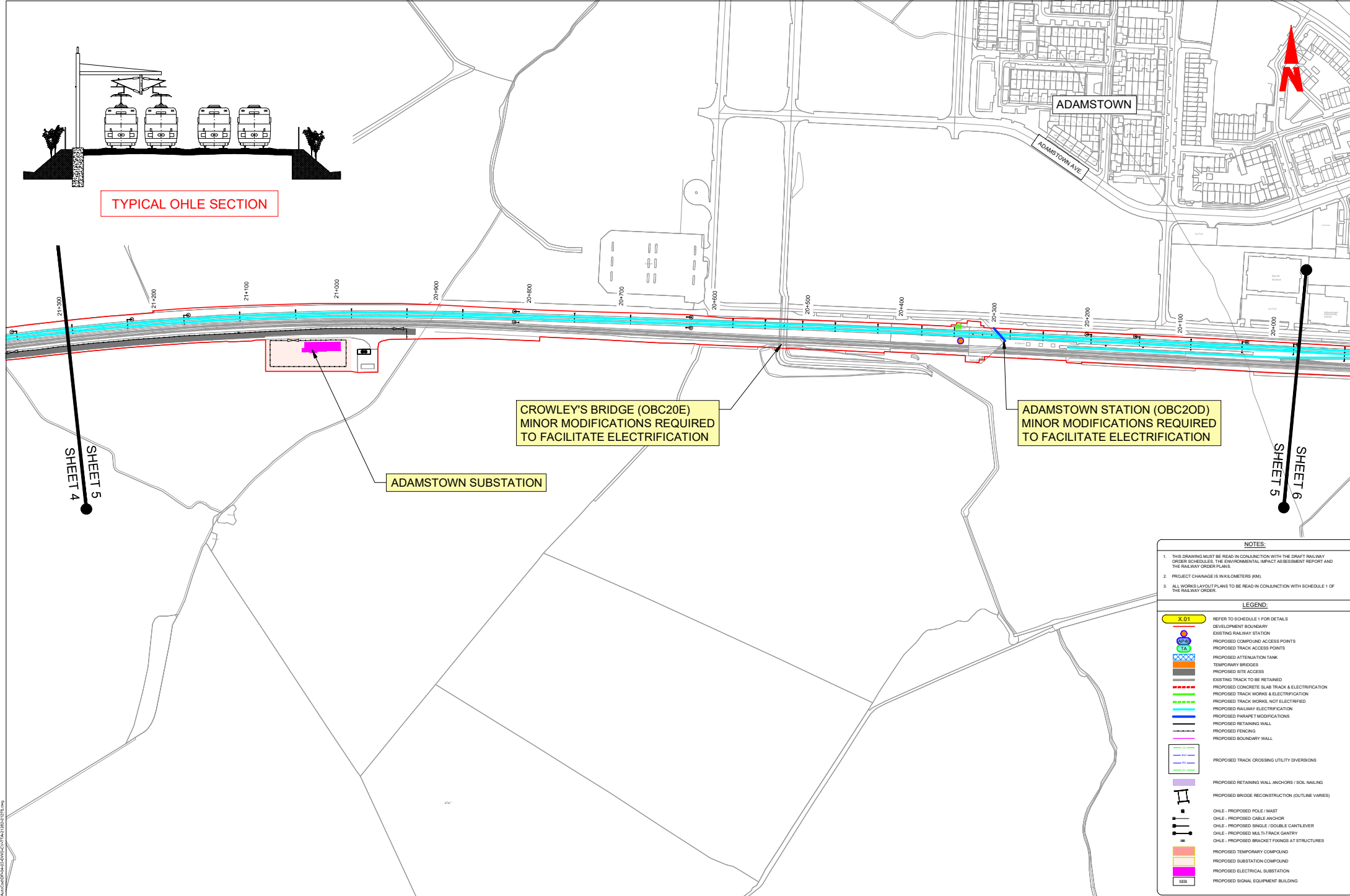
Version: **v01**

Status: **S3**

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TYPICAL OHLE SECTION



SHEET 4
SHEET 5

SHEET 5
SHEET 6

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 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X 01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED COMPOUND ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - TEMPORARY BRIDGES
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS & ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
 - PROPOSED RETAINING WALL
 - PROPOSED FENCING
 - PROPOSED BOUNDARY WALL
 - PROPOSED TRACK CROSSING UTILITY DIVERSIONS
 - PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
 - OHLE - PROPOSED POLE / MAST
 - OHLE - PROPOSED CABLE ANCHOR
 - OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
 - OHLE - PROPOSED M&L TRACK GANTY
 - OHLE - PROPOSED BRACKET FENCING AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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Rev	Date	Drn	CHKD	Appr'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **Irish Rail**

Engineering Designer: **ATKINS**

Scale: 1:1250 @ A0

Date: 29.09.22

Project Code: 759999

Issue: TTA

QCMS Code: DMC

Approved: [Signature]

Project Title: **DART+ SOUTH WEST**

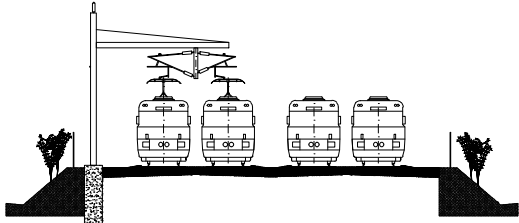
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Drawing File Name: **DP-04-23-DWG-CV-TTA-21266**

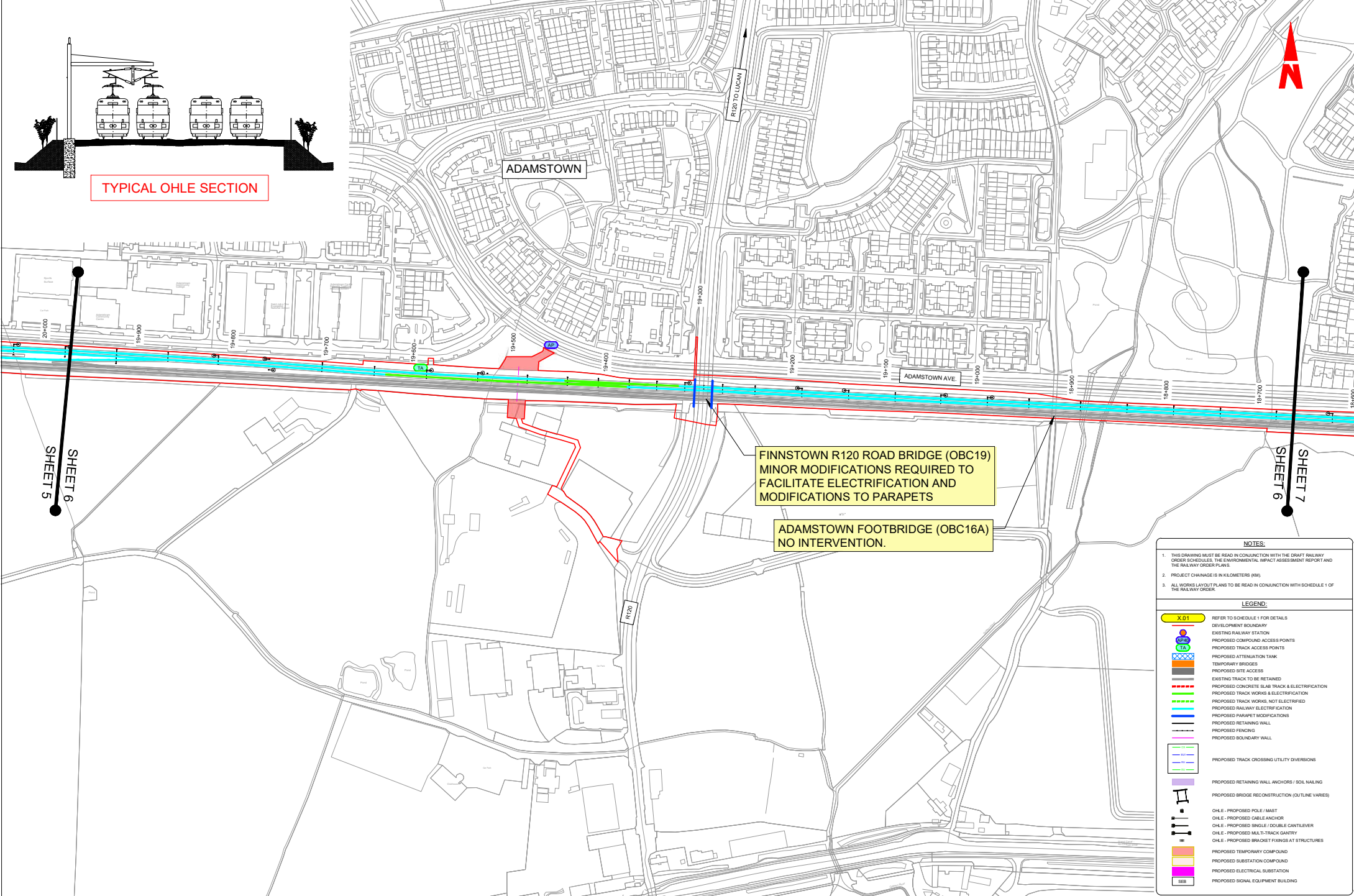
Version: **v01**

Status: **S3**

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TYPICAL OHLE SECTION



FINNSTOWN R120 ROAD BRIDGE (OBC19)
MINOR MODIFICATIONS REQUIRED TO
FACILITATE ELECTRIFICATION AND
MODIFICATIONS TO PARAPETS

ADAMSTOWN FOOTBRIDGE (OBC16A)
NO INTERVENTION.

SHEET 5
SHEET 6

SHEET 6
SHEET 7

- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X 01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED COMPOUND ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - TEMPORARY BRIDGES
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS & ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
 - PROPOSED RETAINING WALL
 - PROPOSED FENCING
 - PROPOSED BOUNDARY WALL
 - PROPOSED TRACK CROSSING UTILITY DIVERSIONS
 - PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
 - O.H.E. - PROPOSED POLE / MAST
 - O.H.E. - PROPOSED CABLE ANCHOR
 - O.H.E. - PROPOSED SINGLE / DOUBLE CANTILEVER
 - O.H.E. - PROPOSED M.A. / DOUBLE GANTTRY
 - O.H.E. - PROPOSED BRACKET FURUS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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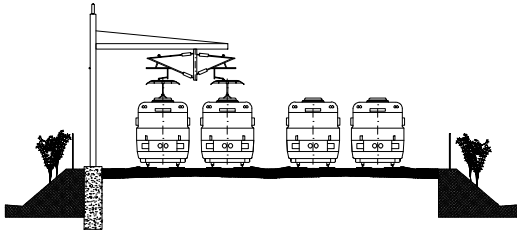


Rev	Date	Drn	CHK'd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

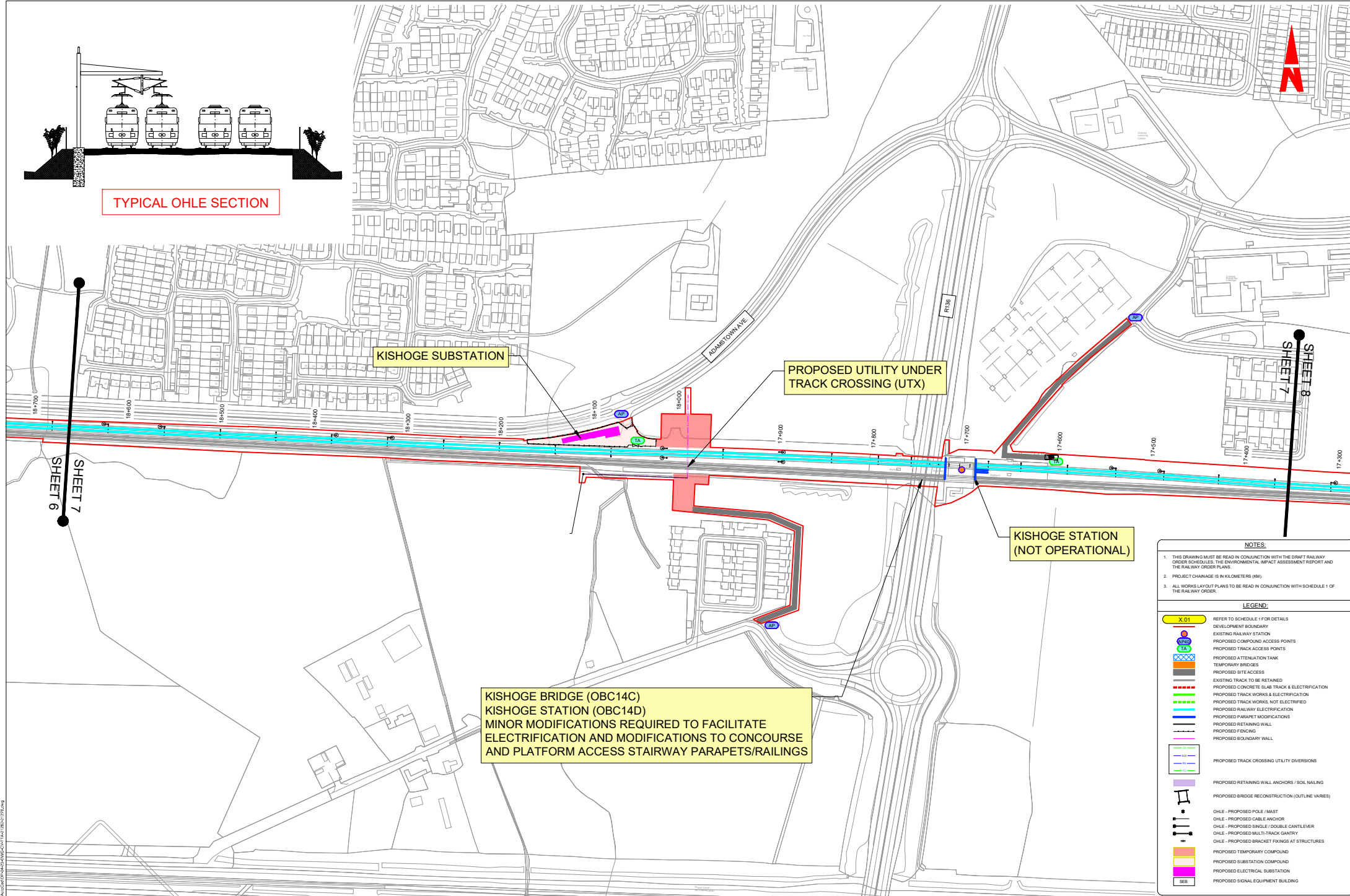
lamróid Éireann
 Irish Rail
 Engineering Designer
 Atkins
 Project Code: 179999
 Issue: TTA
 Scale: 1:1250 @ A0
 Date: 29.09.22
 Drawn: N.T.S. @ AJ
 DMC: J.P.
 Approved: J.P.
 Date: 29.09.22

Project Title: DART+ SOUTH WEST
 Drawing Title: GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 6 OF 17
 Drawing File Name: DP-04-23-DWG-CV-TTA-21267
 Version: v01
 Status: S3

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TYPICAL OHLE SECTION



KISHOGE SUBSTATION

PROPOSED UTILITY UNDER TRACK CROSSING (UTX)

KISHOGE STATION (NOT OPERATIONAL)

KISHOGE BRIDGE (OBC14C)
KISHOGE STATION (OBC14D)
MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND MODIFICATIONS TO CONCOURSE AND PLATFORM ACCESS STAIRWAY PARAPETS/RAILINGS

- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X.01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - TEMPORARY BRIDGES
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS & ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
 - PROPOSED RETAINING WALL
 - PROPOSED FENCING
 - PROPOSED BOUNDARY WALL
 - PROPOSED TRACK CROSSING UTILITY DIVERSIONS
 - PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
 - OHLE - PROPOSED POLE / MAST
 - OHLE - PROPOSED CABLE ANCHOR
 - OHLE - PROPOSED SINGLE / DOUBLE GANTLEVER
 - OHLE - PROPOSED MULTI-TRACK GANTRY
 - OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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All elevations are rounded and shown to 0.5m (Ceilidh Model).
All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Finglas College (TL02).



Rev	Date	Drawn	Checked	Appr'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **Irish Rail**

Engineering Designer: **ATKINS**

Scale: 1:1250 (@ A4)

Date: 20.09.22

Project Code: 718999

Issue: TTA

DMS Code: -

Drawn: M.S.B.A.U.

Checked: -

Approved: -

CS

Project File: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 7 OF 17**

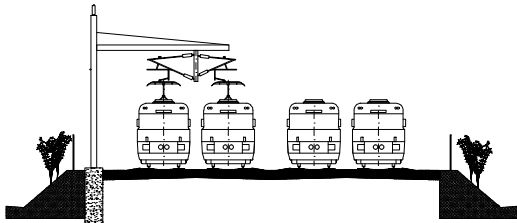
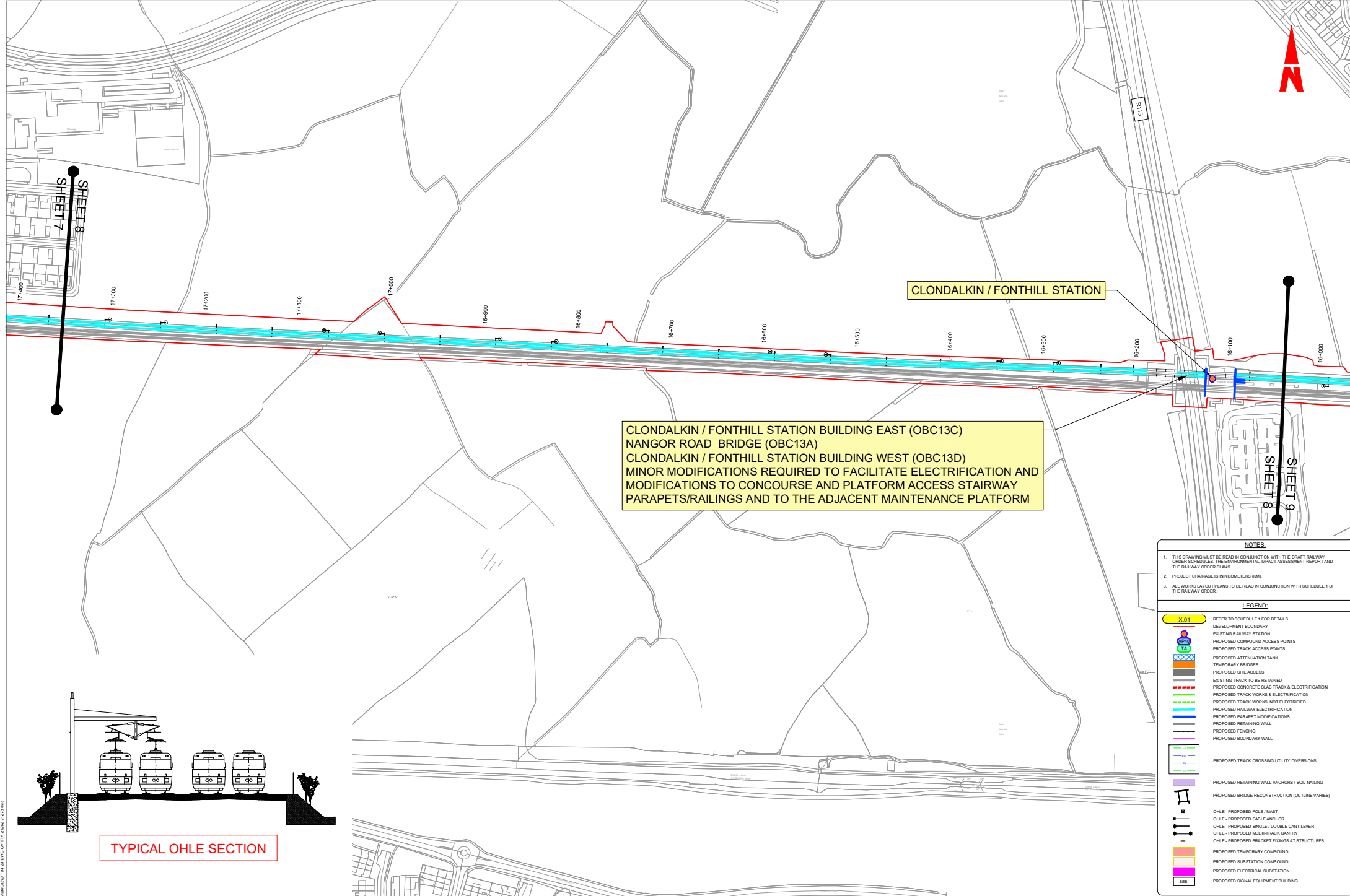
Drawing File Name: **DP-04-23-DWG-CV-TTA-21288**

Version: **v01**

Sheet: **7** of **17**

Scale: **S3**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHE SECTION

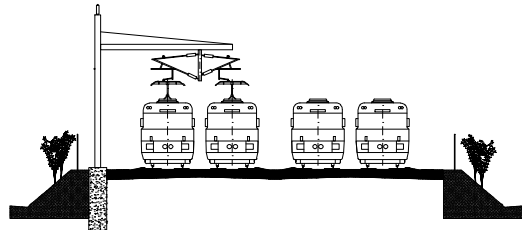
CLONDALKIN / FONTHILL STATION BUILDING EAST (OBC13C)
 NANGOR ROAD BRIDGE (OBC13A)
 CLONDALKIN / FONTHILL STATION BUILDING WEST (OBC13D)
 MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND
 MODIFICATIONS TO CONCOURSE AND PLATFORM ACCESS STAIRWAY
 PARAPETS/RAILINGS AND TO THE ADJACENT MAINTENANCE PLATFORM

NOTES:

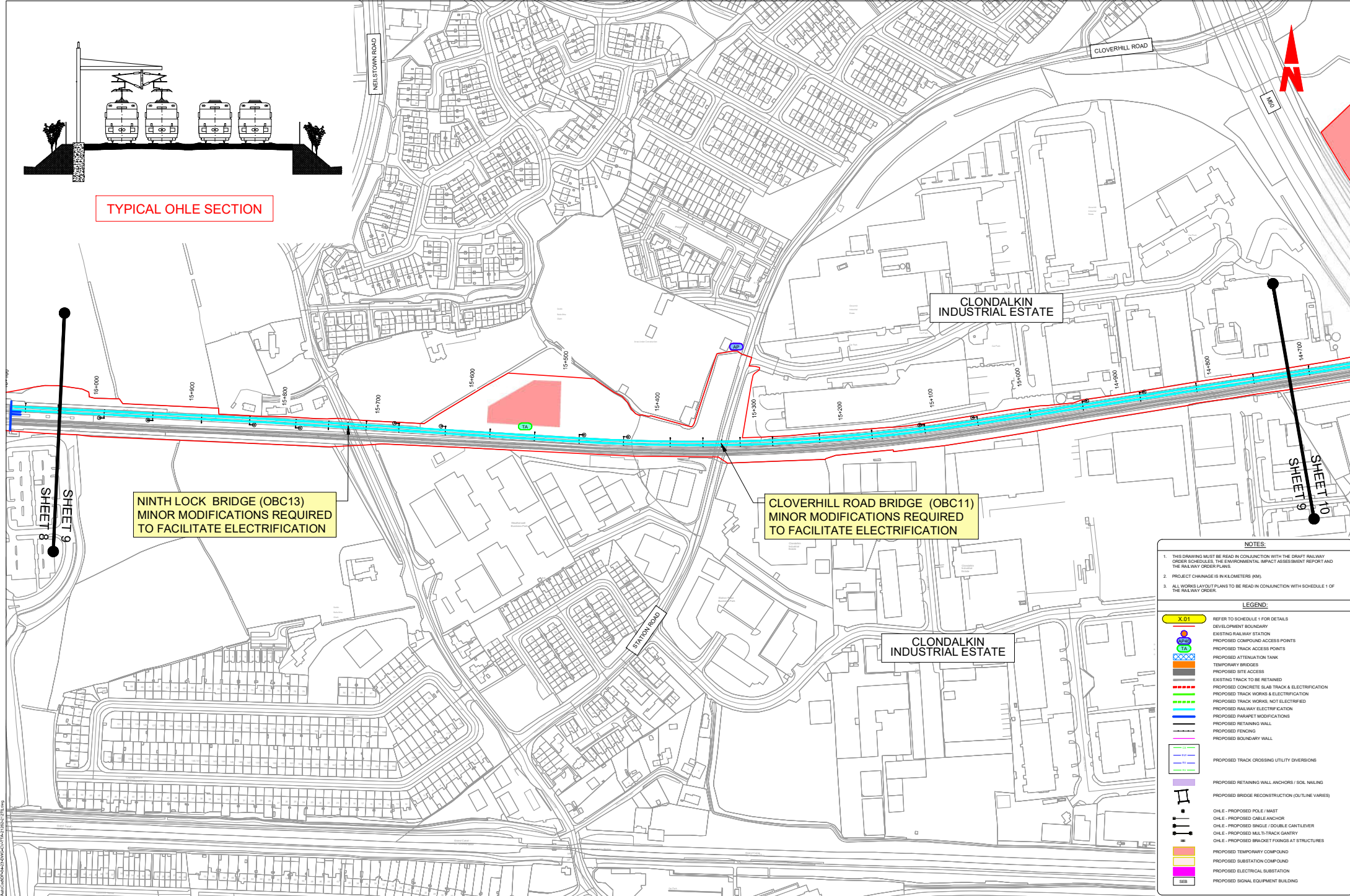
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X.01 REFER TO SCHEDULE 1 FOR DETAILS
- DEVELOPMENT BOUNDARY
- EXISTING RAILWAY STATION
- PROPOSED COMPOUND ACCESS POINTS
- PROPOSED TRACK ACCESS POINTS
- PROPOSED ATTENUATION TANK
- TEMPORARY BRIDGES
- PROPOSED SITE ACCESS
- EXISTING TRACK TO BE RETAINED
- PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
- PROPOSED TRACK WORKS ELECTRIFICATION
- PROPOSED TRACK WORKS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PARAPET MODIFICATIONS
- PROPOSED RETAINING WALL
- PROPOSED FENCING
- PROPOSED BOUNDARY WALL
- PROPOSED TRACK CROSSING UTILITY DIVERSIONS
- PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
- O.H.E. - PROPOSED POLE / MAST
- O.H.E. - PROPOSED CABLE ANCHOR
- O.H.E. - PROPOSED SINGLE / DOUBLE GANTLEVER
- O.H.E. - PROPOSED MULTI-TRACK GANTLEY
- O.H.E. - PROPOSED BRACKET FENCING AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X 01** REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED COMPOUND ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - TEMPORARY BRIDGES
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS & ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
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 - O.H.E. - PROPOSED MULTI-TRACK GANTRY
 - O.H.E. - PROPOSED BRACKET FENCING AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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 All references are to meters and meters to OSi Geospatial Model. All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS Station Trinity College (TLC0).

Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

NTA 2040

Scale: 1:250 @ A0
 Drawn: JT, S. @ AJ
 Checked: JP
 Approved: CS

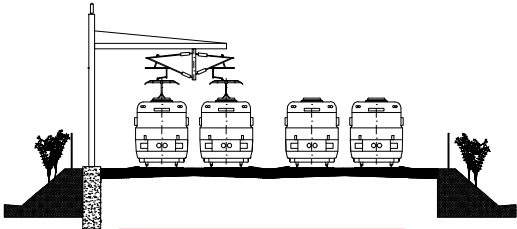
Project Code: 999999
 Issue: TTA
 OMS Code:

Client: **Irish Rail**

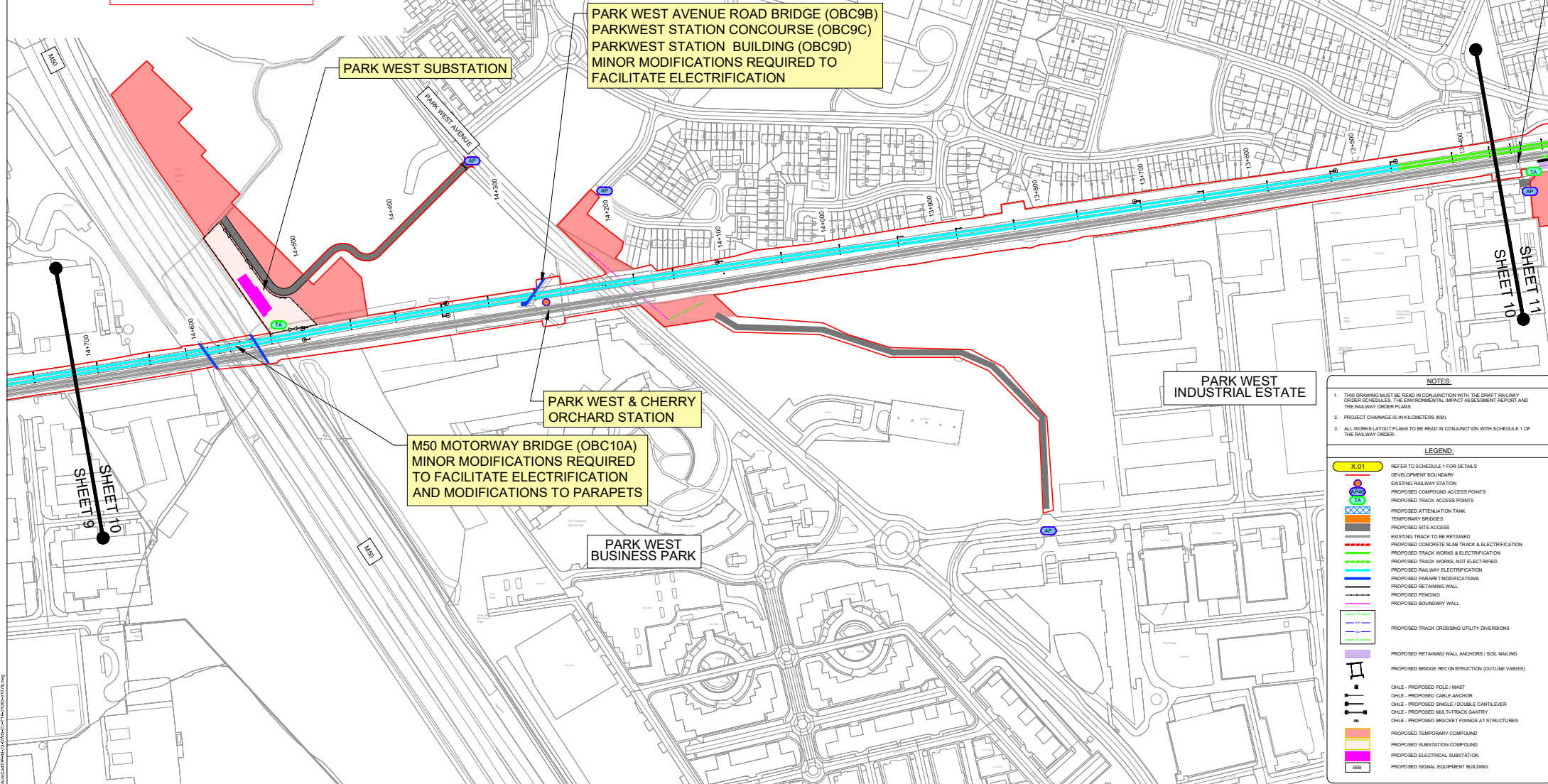
Project Title: **DART+ SOUTH WEST**

Drawing File Name: **DP-04-23-DWG-CV-TTA-21270**

Version: **v01** | Sheet: **8** of **17** | Status: **S3**



TYPICAL OHLE SECTION



PARK WEST SUBSTATION

PARK WEST AVENUE ROAD BRIDGE (OBC9B)
 PARKWEST STATION CONCOURSE (OBC9C)
 PARKWEST STATION BUILDING (OBC9D)
 MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION

PARK WEST & CHERRY ORCHARD STATION

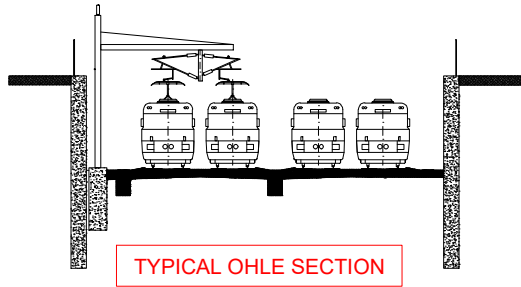
M50 MOTORWAY BRIDGE (OBC10A)
 MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND MODIFICATIONS TO PARAPETS

PARK WEST BUSINESS PARK

PARK WEST INDUSTRIAL ESTATE

- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X 01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - TEMPORARY BRIDGES
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
 - PROPOSED RETAINING WALL
 - PROPOSED FENCING
 - PROPOSED BOUNDARY WALL
 - PROPOSED TRACK CROSSING UTILITY DIVERSIONS
 - PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
 - OHLE - PROPOSED POLE / MAST
 - OHLE - PROPOSED CABLE ANCHOR
 - OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
 - OHLE - PROPOSED M&L TRACK GANTRY
 - OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING



CHERRY ORCHARD FOOTBRIDGE (OBC8B)
MINOR MODIFICATIONS REQUIRED TO
FACILITATE ELECTRIFICATION

REALIGNMENTS AND WIDENING
OF LE FANU ROAD

TEMPORARY SINGLE LANE NORTH
BOUND ONLY CROSSING DURING
BRIDGE CONSTRUCTION.

LE FANU ROAD BRIDGE (OBC7)
RECONSTRUCT BRIDGE.

NEW FOUR
TRACK SECTION

KYLEMORE ROAD BRIDGE (OBC5A)
RECONSTRUCT BRIDGE.

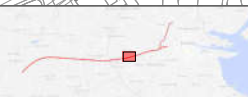
COMBINED SEWER DIVERSION

PARK WEST
INDUSTRIAL ESTATE

- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:**
- X.01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED ATTENUATION TANK
 - PROPOSED SITE ACCESS
 - EXISTING TRACK TO BE RETAINED
 - PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
 - PROPOSED TRACK WORKS & ELECTRIFICATION
 - PROPOSED TRACK WORKS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET MODIFICATIONS
 - PROPOSED RETAINING WALL
 - PROPOSED FENCING
 - PROPOSED BOUNDARY WALL
 - PROPOSED TRACK CROSSING UTILITY DIVERSIONS
 - PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
 - O.H.E. - PROPOSED POLE / MAST
 - O.H.E. - PROPOSED CABLE ANCHOR
 - O.H.E. - PROPOSED SINGLE / DOUBLE CANTILEVER
 - O.H.E. - PROPOSED M.L.T TRACK GANTY
 - O.H.E. - PROPOSED BRACKET FUNDS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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& Survey No. 2022019; NMA, 100 (OSi Vector Data).
All dimensions are in metres and unless to OSi Geospatial (OSi) data then as indicated by surveying project codes.
All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station Tynagh College (TL02).



Rev	Date	Drn	Chk1	Appr2	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **lamróid Éireann**

Engineering Designer: **ATKINS**

Supported by: **rps**

Date: 29.09.22 Scale: 1:1250 @ A0
 Issue: N.T.S. (B.A.)
 Project Code: 204009 Issue: TTA QMS Code

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

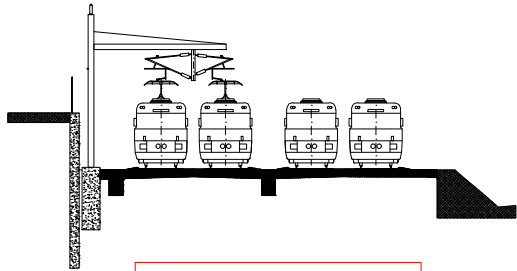
Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 11 OF 17**

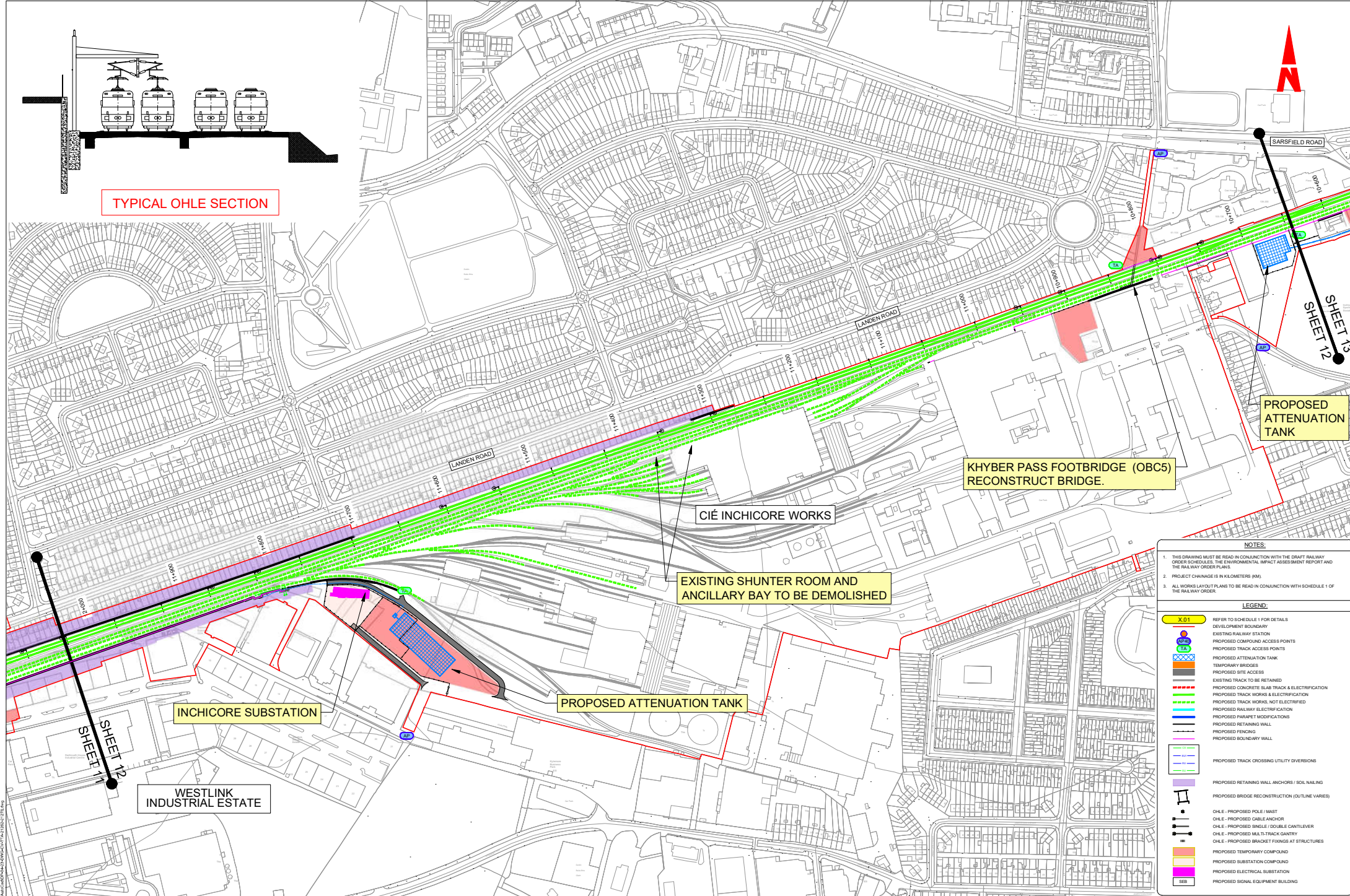
Drawing File Name: **DP-04-23-DWG-CV-TTA-21272**

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

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION



SHEET 12
SHEET 13

KHYBER PASS FOOTBRIDGE (OBC5)
RECONSTRUCT BRIDGE.

CIÉ INCHICORE WORKS

EXISTING SHUNTER ROOM AND
ANCILLARY BAY TO BE DEMOLISHED

INCHICORE SUBSTATION

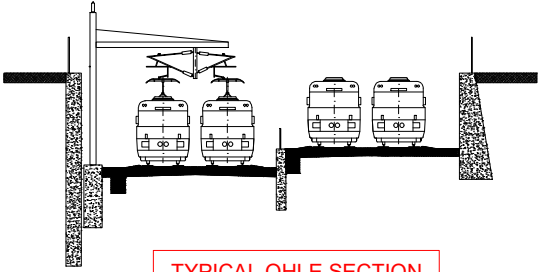
PROPOSED ATTENUATION TANK

WESTLINK INDUSTRIAL ESTATE

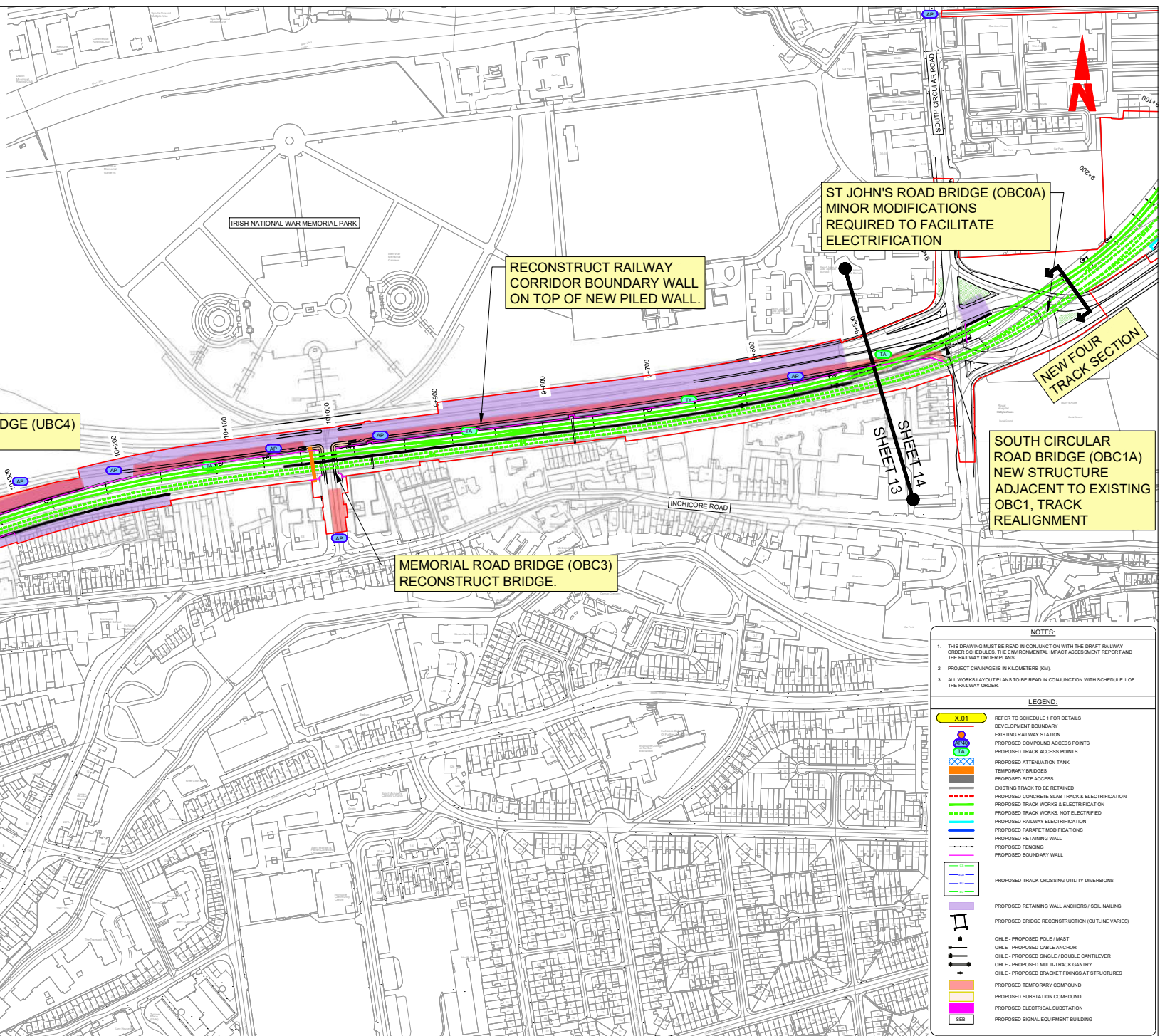
- NOTES:
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHAINAGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

X 01	REFER TO SCHEDULE 1 FOR DETAILS
[Symbol]	DEVELOPMENT BOUNDARY
[Symbol]	EXISTING RAILWAY STATION
[Symbol]	PROPOSED TRACK ACCESS POINTS
[Symbol]	PROPOSED ATTENUATION TANK
[Symbol]	TEMPORARY BRIDGES
[Symbol]	PROPOSED SITE ACCESS
[Symbol]	EXISTING TRACK TO BE RETAINED
[Symbol]	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
[Symbol]	PROPOSED TRACK WORKS & ELECTRIFICATION
[Symbol]	PROPOSED TRACK WORKS, NOT ELECTRIFIED
[Symbol]	PROPOSED RAILWAY ELECTRIFICATION
[Symbol]	PROPOSED PARAPET MODIFICATIONS
[Symbol]	PROPOSED RETAINING WALL
[Symbol]	PROPOSED FENCING
[Symbol]	PROPOSED BOUNDARY WALL
[Symbol]	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
[Symbol]	PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
[Symbol]	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
[Symbol]	O.H.E. - PROPOSED POLE / MAST
[Symbol]	O.H.E. - PROPOSED CABLE ANCHOR
[Symbol]	O.H.E. - PROPOSED SINGLE / DOUBLE CANTILEVER
[Symbol]	O.H.E. - PROPOSED M&T TRACK GANTRY
[Symbol]	O.H.E. - PROPOSED BRACKET FUNDS AT STRUCTURES
[Symbol]	PROPOSED TEMPORARY COMPOUND
[Symbol]	PROPOSED SUBSTATION COMPOUND
[Symbol]	PROPOSED ELECTRICAL SUBSTATION
[Symbol]	PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



ST JOHN'S ROAD BRIDGE (OBC0A)
MINOR MODIFICATIONS
REQUIRED TO FACILITATE
ELECTRIFICATION

RECONSTRUCT RAILWAY
CORRIDOR BOUNDARY WALL
ON TOP OF NEW PILED WALL.

SARSFIELD ROAD UNDER-BRIDGE (UBC4)
RECONSTRUCT BRIDGE.

MEMORIAL ROAD BRIDGE (OBC3)
RECONSTRUCT BRIDGE.

SOUTH CIRCULAR
ROAD BRIDGE (OBC1A)
NEW STRUCTURE
ADJACENT TO EXISTING
OBC1, TRACK
REALIGNMENT

PROPOSED
ATTENUATION
TANK

- NOTES:
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

- LEGEND:
- X-01 REFER TO SCHEDULE 1 FOR DETAILS
 - DEVELOPMENT BOUNDARY
 - EXISTING RAILWAY STATION
 - PROPOSED TRACK ACCESS POINTS
 - PROPOSED TRACK ACCESS POINTS
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 - O.H.E. - PROPOSED M.L.T. TRACK GANTRY
 - O.H.E. - PROPOSED BRACKET FUNDUS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

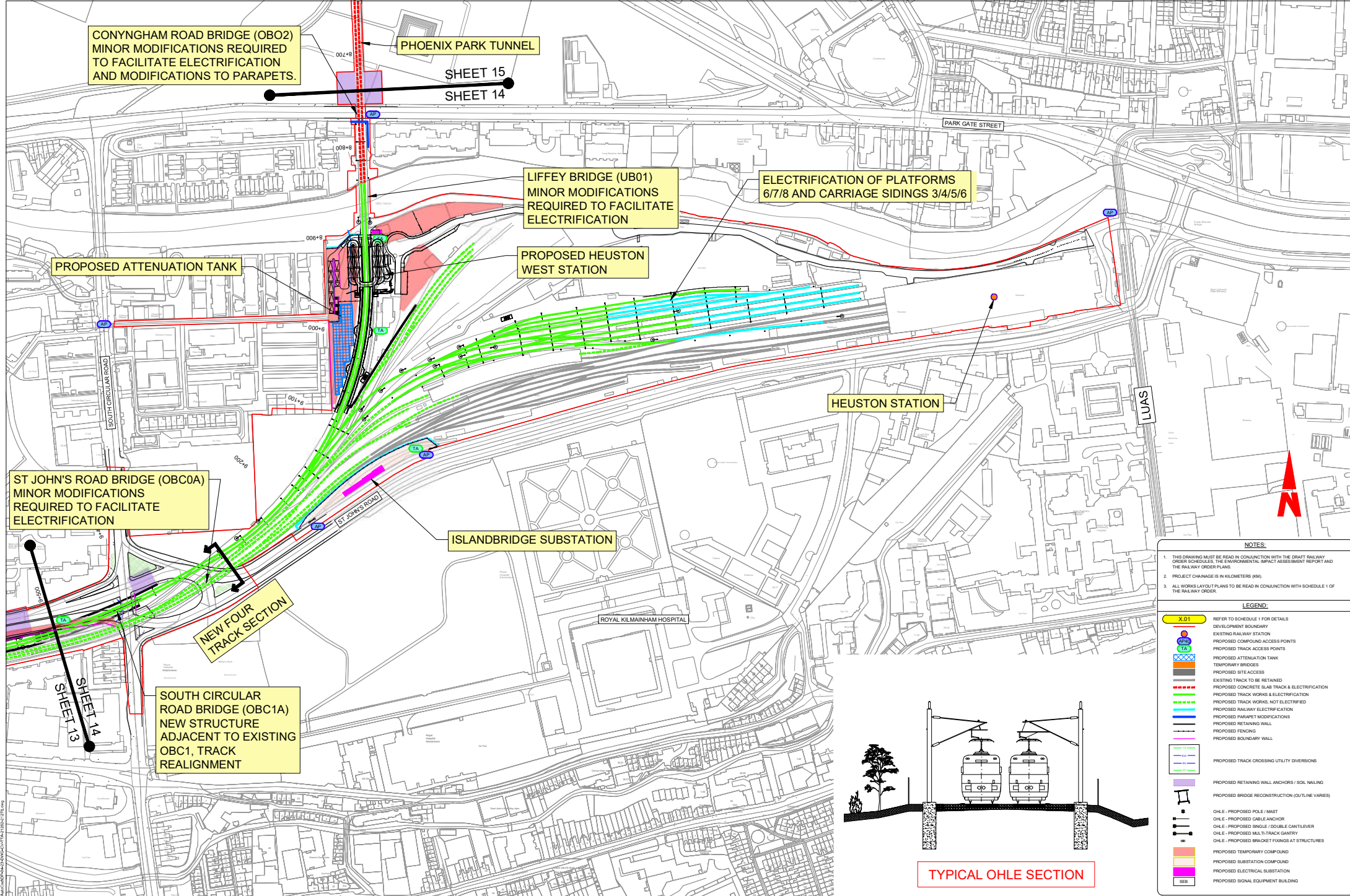
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All measurements are in metres and centimetres to OS (Geoid Model).
All coordinates are defined by using Project Model.
All coordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Tynagh College (TL02).



Rev	Date	Des	CHKD	APPD	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Scale: 1:1250 @ A0
Date: 29.09.22
Project Code: 200000

DART+ SOUTH WEST
GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 13 OF 17
DP-04-23-DWG-CV-TTA-21274
Version: v01
Status: S3



CONYNGHAM ROAD BRIDGE (OBO2)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION
AND MODIFICATIONS TO PARAPETS.

PHOENIX PARK TUNNEL

SHEET 15
SHEET 14

LIFFEY BRIDGE (UB01)
MINOR MODIFICATIONS
REQUIRED TO FACILITATE
ELECTRIFICATION

ELECTRIFICATION OF PLATFORMS
6/7/8 AND CARRIAGE SIDINGS
3/4/5/6

PROPOSED ATTENUATION TANK

PROPOSED HEUSTON
WEST STATION

HEUSTON STATION

LUAS

ST JOHN'S ROAD BRIDGE (OBC0A)
MINOR MODIFICATIONS
REQUIRED TO FACILITATE
ELECTRIFICATION

ISLANDBRIDGE SUBSTATION

ROYAL KILMAINHAM HOSPITAL

NEW FOUR
TRACK SECTION

SOUTH CIRCULAR
ROAD BRIDGE (OBC1A)
NEW STRUCTURE
ADJACENT TO EXISTING
OBC1, TRACK
REALIGNMENT

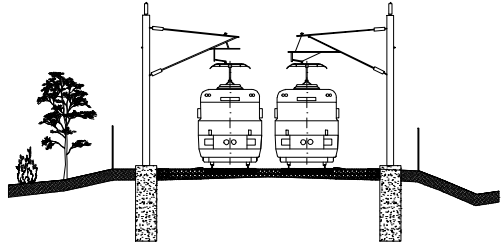
SHEET 14
SHEET 13

NOTES:

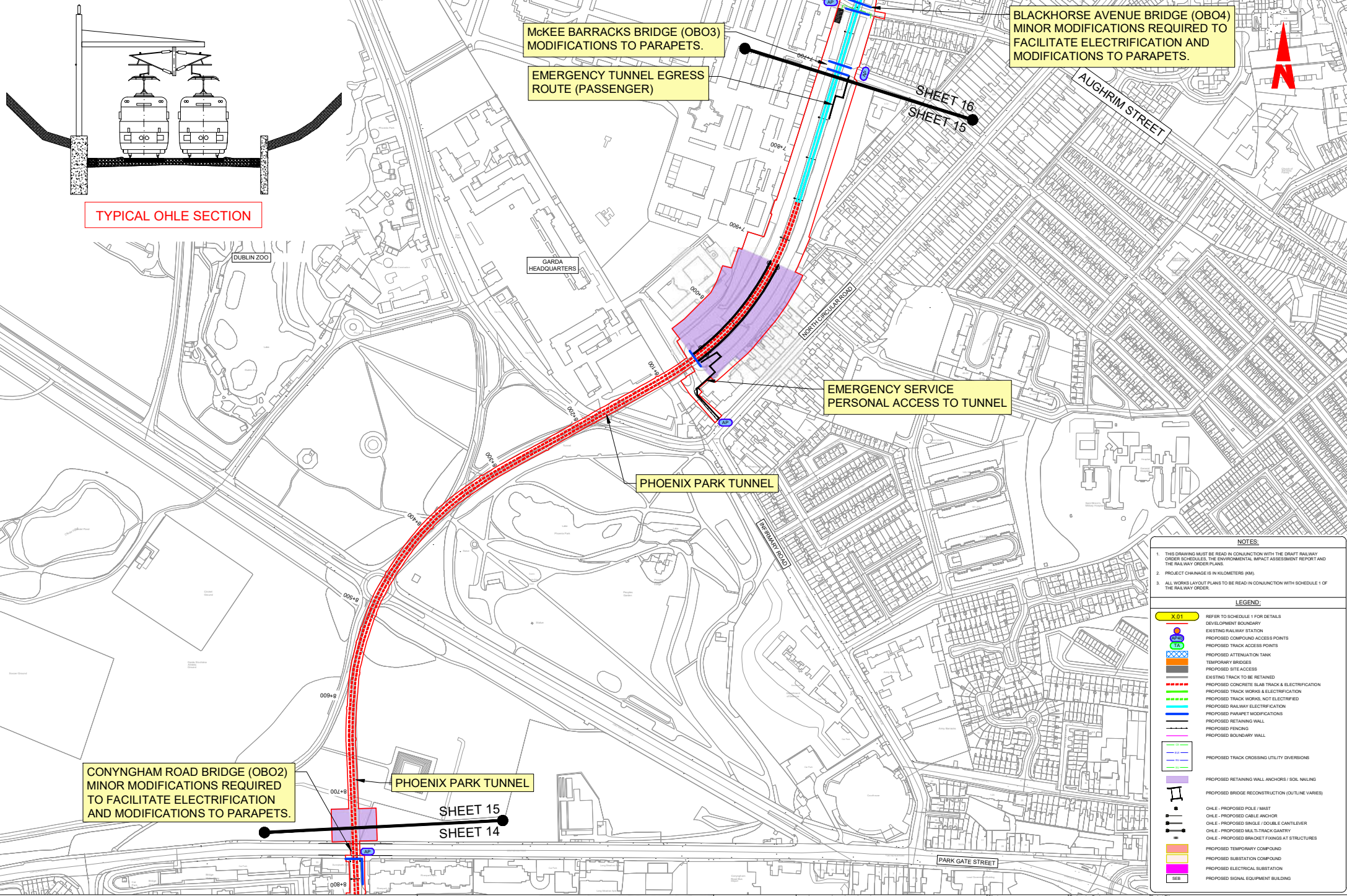
1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
2. PROJECT CHANGE IS IN KILOMETERS (KM).
3. ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X 01** REFER TO SCHEDULE 1 FOR DETAILS
- EXISTING RAILWAY STATION
- PROPOSED COMPOUND ACCESS POINTS
- PROPOSED TRACK ACCESS POINTS
- PROPOSED ATTENUATION TANK
- TEMPORARY BRIDGES
- PROPOSED SITE ACCESS
- EXISTING TRACK TO BE RETAINED
- PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
- PROPOSED TRACK WORKS ELECTRIFICATION
- PROPOSED TRACK WORKS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
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- O.H.E. - PROPOSED MILD TRACK GANTRY
- O.H.E. - PROPOSED BRACKET FENCING AT STRUCTURES
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- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHE SECTION



**BLACKHORSE AVENUE BRIDGE (OBO4)
MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND MODIFICATIONS TO PARAPETS.**

**MCKEE BARRACKS BRIDGE (OBO3)
MODIFICATIONS TO PARAPETS.**

EMERGENCY TUNNEL EGRESS ROUTE (PASSENGER)

EMERGENCY SERVICE PERSONAL ACCESS TO TUNNEL

PHOENIX PARK TUNNEL

TYPICAL OHLE SECTION

**CONYNGHAM ROAD BRIDGE (OBO2)
MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND MODIFICATIONS TO PARAPETS.**

PHOENIX PARK TUNNEL

- NOTES:**
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 - PROJECT CHANGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

	REFER TO SCHEDULE 1 FOR DETAILS
	DEVELOPMENT BOUNDARY
	EXISTING RAILWAY STATION
	PROPOSED COMPOUND ACCESS POINTS
	PROPOSED TRACK ACCESS POINTS
	PROPOSED ATTENTION TANK
	TEMPORARY BRIDGES
	PROPOSED SITE ACCESS
	EXISTING TRACK TO BE RETAINED
	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
	PROPOSED TRACK WORKS & ELECTRIFICATION
	PROPOSED TRACK WORKS, NOT ELECTRIFIED
	PROPOSED RAILWAY ELECTRIFICATION
	PROPOSED PARAPET MODIFICATIONS
	PROPOSED RETAINING WALL
	PROPOSED FENCING
	PROPOSED BOUNDARY WALL
	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
	PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
	O.H.E. - PROPOSED POLE / MAST
	O.H.E. - PROPOSED CABLE ANCHOR
	O.H.E. - PROPOSED SINGLE / DOUBLE CANTILEVER
	O.H.E. - PROPOSED MULTI-TRACK GANTRY
	O.H.E. - PROPOSED BRACKET FORMS AT STRUCTURES
	PROPOSED TEMPORARY COMPOUND
	PROPOSED SUBSTATION COMPOUND
	PROPOSED ELECTRICAL SUBSTATION
	PROPOSED SIGNAL EQUIPMENT BUILDING

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& Survey No. 2022019; NMA; 150 (OSI Vector Data).
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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Irish Rail
lamród Éireann
Irish Rail

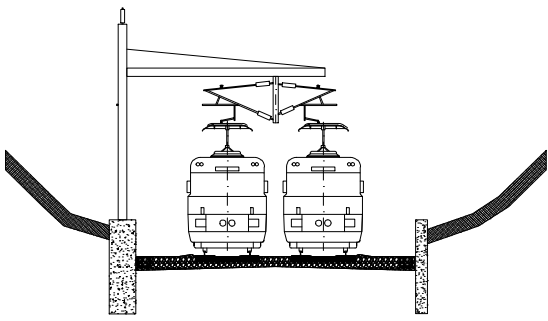
ATKINS
 Engineering Design
 Checked Approved

Date: 20.09.22 Scale: 1:1250 @ A0
 Issue: A1.2.5 (B.14) Drawn: J.P. Checked: J.P. Approved: C.D.
 Project Code: 220000 QMS Code: 2040

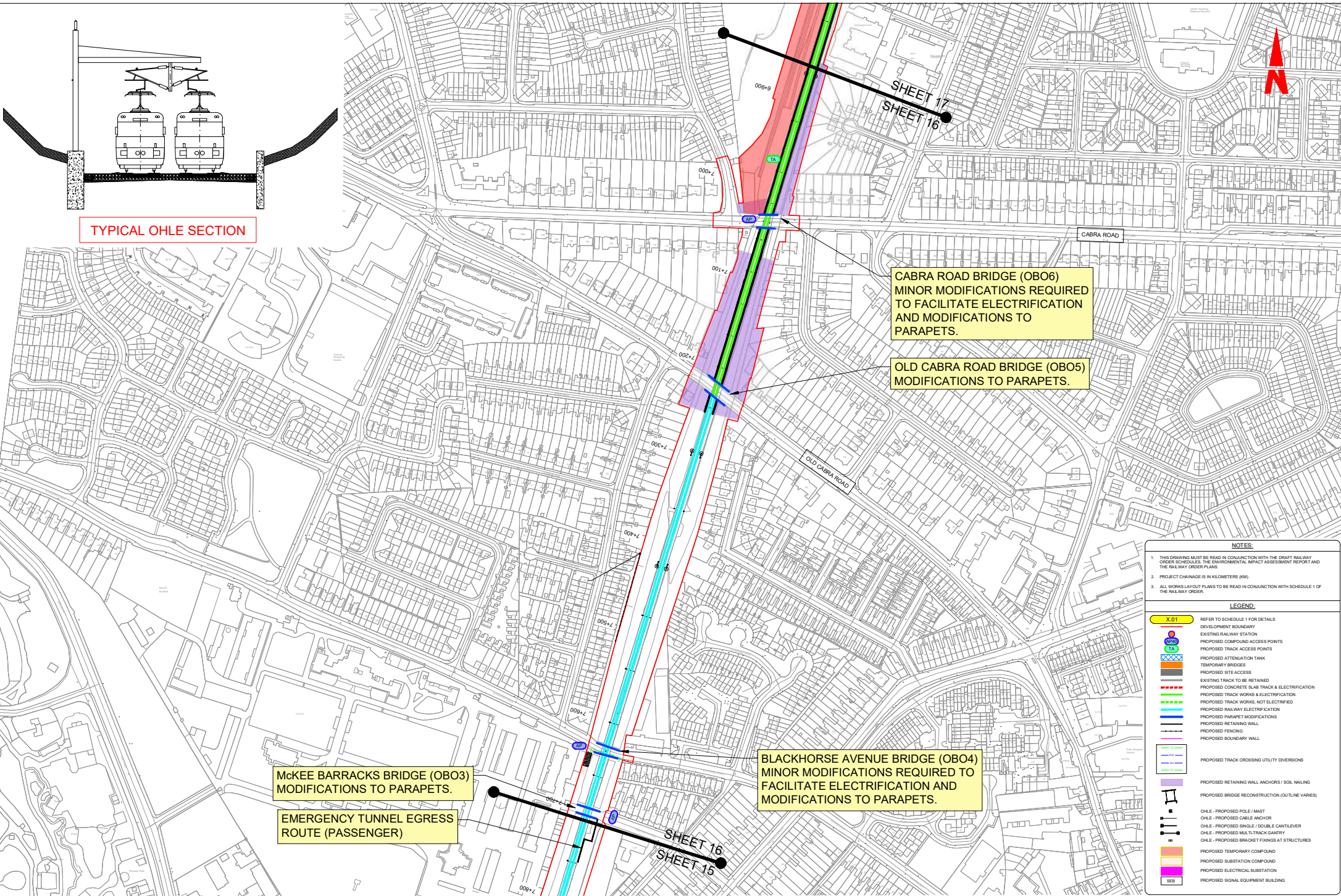
DART+ SOUTH WEST

Project Title: GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 15 OF 17
 Drawing Title: DP-04-23-DWG-CV-TTA-21276
 Drawing File Name: DP-04-23-DWG-CV-TTA-21276
 Version: v01
 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION



CABRA ROAD BRIDGE (OBO6)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION
AND MODIFICATIONS TO
PARAPETS.

OLD CABRA ROAD BRIDGE (OBO5)
MODIFICATIONS TO PARAPETS.

McKEE BARRACKS BRIDGE (OBO3)
MODIFICATIONS TO PARAPETS.

EMERGENCY TUNNEL EGRESS
ROUTE (PASSENGER)

BLACKHORSE AVENUE BRIDGE (OBO4)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION
AND
MODIFICATIONS TO PARAPETS.

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LEGEND:

X 01	REFER TO SCHEDULE 1 FOR DETAILS
[Symbol]	DEVELOPMENT BOUNDARY
[Symbol]	EXISTING RAILWAY STATION
[Symbol]	PROPOSED COMPOUND ACCESS POINTS
[Symbol]	PROPOSED TRACK ACCESS POINTS
[Symbol]	PROPOSED ATTENUATION TANK
[Symbol]	TEMPORARY BRIDGES
[Symbol]	PROPOSED SITE ACCESS
[Symbol]	EXISTING TRACK TO BE RETAINED
[Symbol]	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
[Symbol]	PROPOSED TRACK WORKS ELECTRIFICATION
[Symbol]	PROPOSED TRACK WORKS, NOT ELECTRIFIED
[Symbol]	PROPOSED RAILWAY ELECTRIFICATION
[Symbol]	PROPOSED PARAPET MODIFICATIONS
[Symbol]	PROPOSED RETAINING WALL
[Symbol]	PROPOSED FENCING
[Symbol]	PROPOSED BOUNDARY WALL
[Symbol]	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
[Symbol]	PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
[Symbol]	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
[Symbol]	OHLE - PROPOSED POLE / MAST
[Symbol]	OHLE - PROPOSED CABLE ANCHOR
[Symbol]	OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
[Symbol]	OHLE - PROPOSED MAST TRACK GANTRY
[Symbol]	OHLE - PROPOSED BRACKET FURNISH AT STRUCTURES
[Symbol]	PROPOSED TEMPORARY COMPOUND
[Symbol]	PROPOSED SUBSTATION COMPOUND
[Symbol]	PROPOSED ELECTRICAL SUBSTATION
[Symbol]	PROPOSED SIGNAL EQUIPMENT BUILDING

01/11/2022 10:11:22 DMP JP CS PLANNING ISSUE

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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Irish Rail** / **lamróid Éireann**

Contract No: **DP-04-23-DWG-CV-TTA-21277**

Scale: **1:1250 @ A1**

Drawn: **JP** / Checked: **JP** / Approved: **CS**

Date: **20.09.22**

Project Code: **DP-04-23-DWG-CV-TTA-21277**

Designing: **ATKINS**

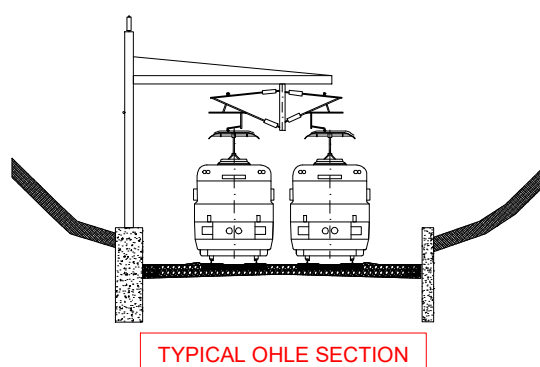
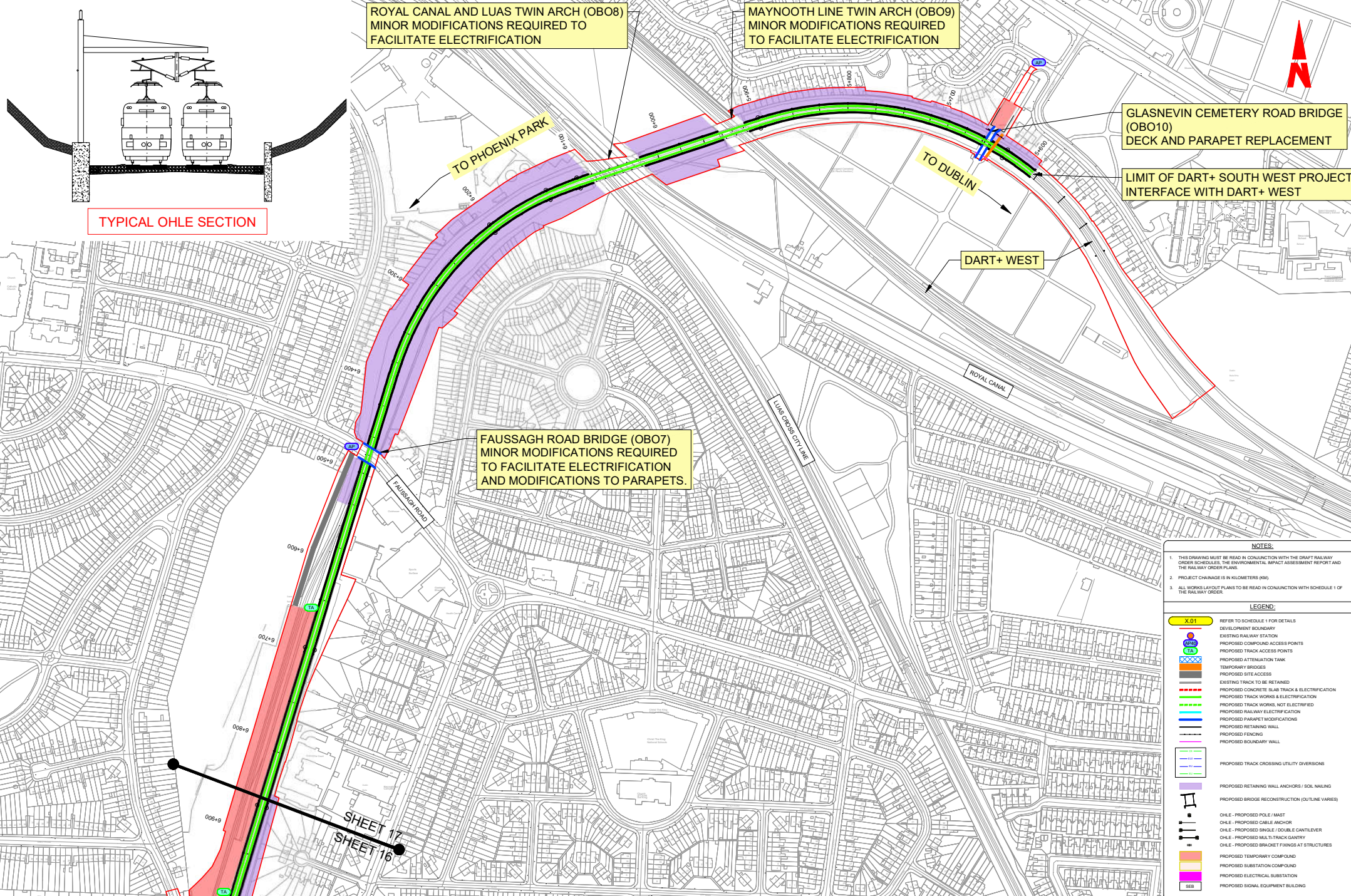
Supported by: **RPS**

Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 16 OF 17**

Project File Name	DP-04-23-DWG-CV-TTA-21277	Version	v01	Scale	S3
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DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION

ROYAL CANAL AND LUAS TWIN ARCH (OBO8)
MINOR MODIFICATIONS REQUIRED TO
FACILITATE ELECTRIFICATION

MAYNOOTH LINE TWIN ARCH (OBO9)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

GLASNEVIN CEMETERY ROAD BRIDGE
(OBO10)
DECK AND PARAPET REPLACEMENT

TO PHOENIX PARK

TO DUBLIN

LIMIT OF DART+ SOUTH WEST PROJECT
INTERFACE WITH DART+ WEST

DART+ WEST

FAUSSAGH ROAD BRIDGE (OBO7)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION
AND MODIFICATIONS TO PARAPETS.

SHEET 17
SHEET 16



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 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
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 - OHLE - PROPOSED CABLE ANCHOR
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 - OHLE - PROPOSED SINGLE / DOUBLE TRACK GANTRY
 - OHLE - PROPOSED BRACKET FURMS AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

01/11/2022 10:11:22 DMP JP CS PLANNING ISSUE

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Rev	Date	Drn	CHKD	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Date: 20.09.22 Scale: 1:1250 @ A0 Drawn: [] Checked: [] Approved: []
 Project Code: 040999 Issue: TTA QMS Code: []

Project Title: DART+ SOUTH WEST
 Drawing Title: GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 17 OF 17
 Drawing File Name: DP-04-23-DWG-CV-TTA-21278
 Version: v01 Status: S3

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