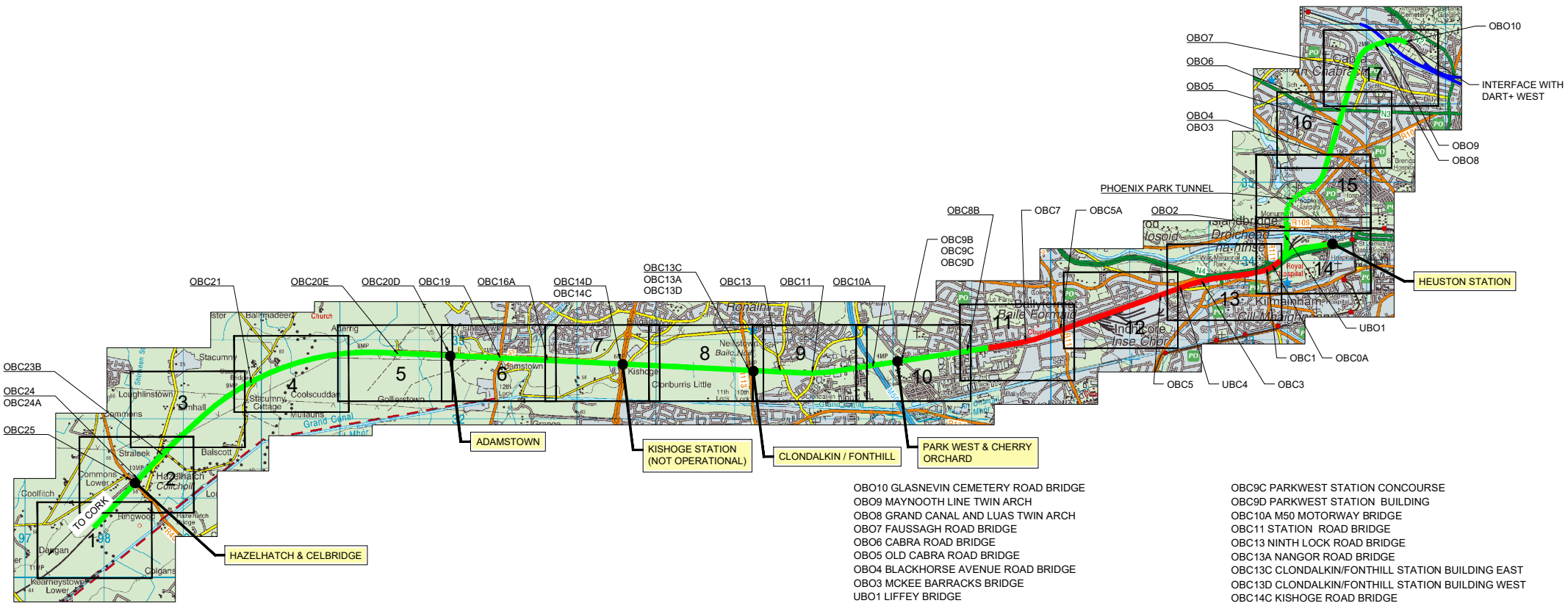

Appendix A

Project 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

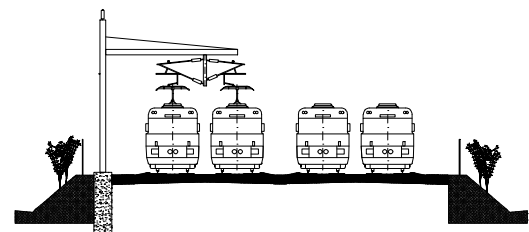
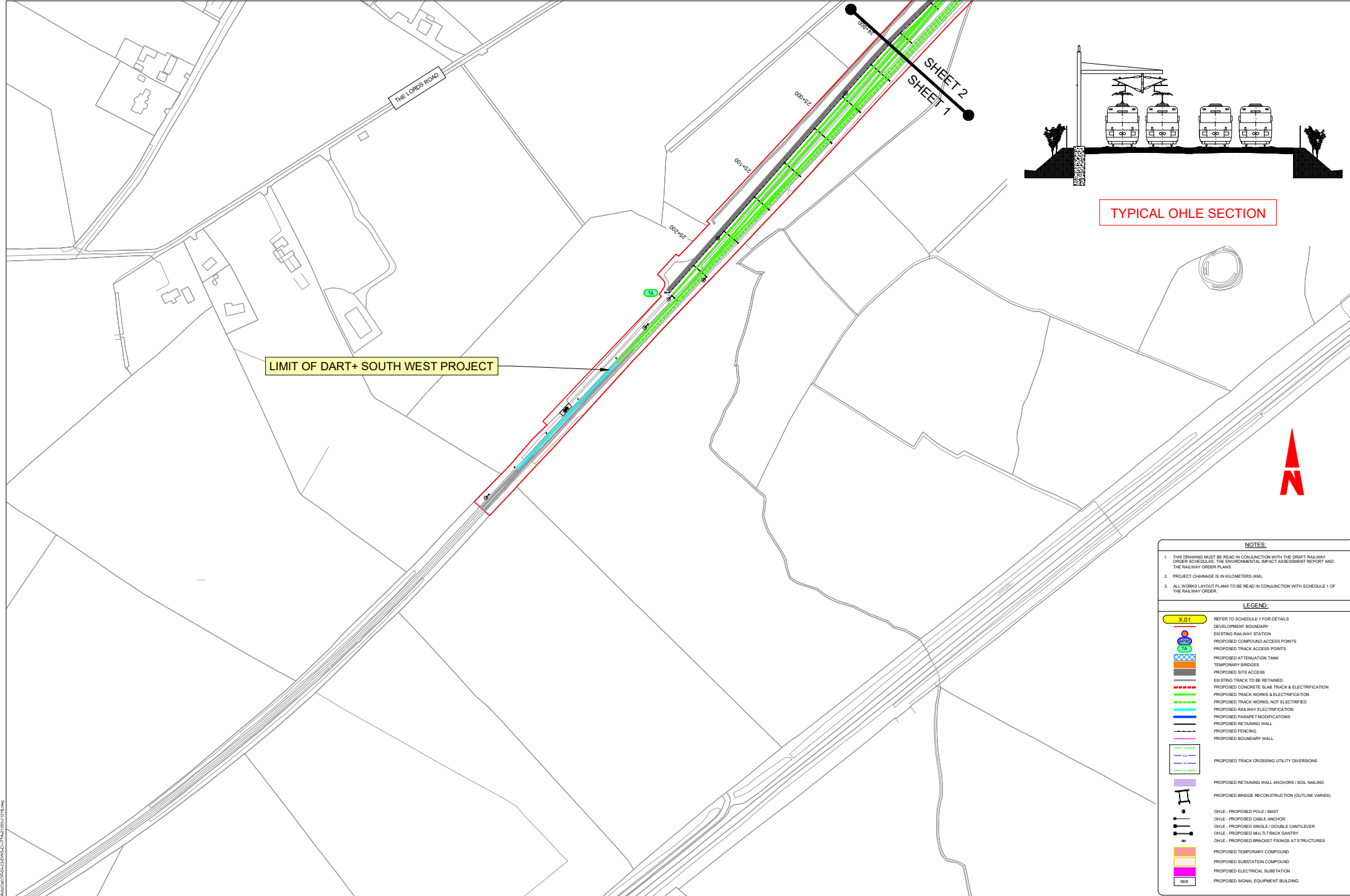
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 Author: J. O'Connell
 Date: 11/11/22

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 A Survey No. 20200000; MAA, 180 (OSi Vector Data).
 All dimensions are in metres and unless so stated in the title block.
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 All co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station Tullyally College (TL02).

Rev	Date	Dim	Chk'd	App'd	Description	Client	Engineering Designer	Project Title
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE			DART+ SOUTH WEST GENERAL DESIGN PROJECT SCHEMATIC LAYOUT KEY PLAN

Drawing File Name: DP-04-23-DWG-CV-TTA-212181
 Status: v01 S3

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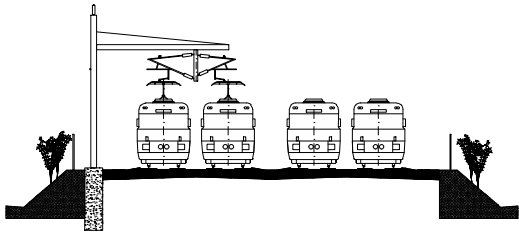
TYPICAL OHLE SECTION



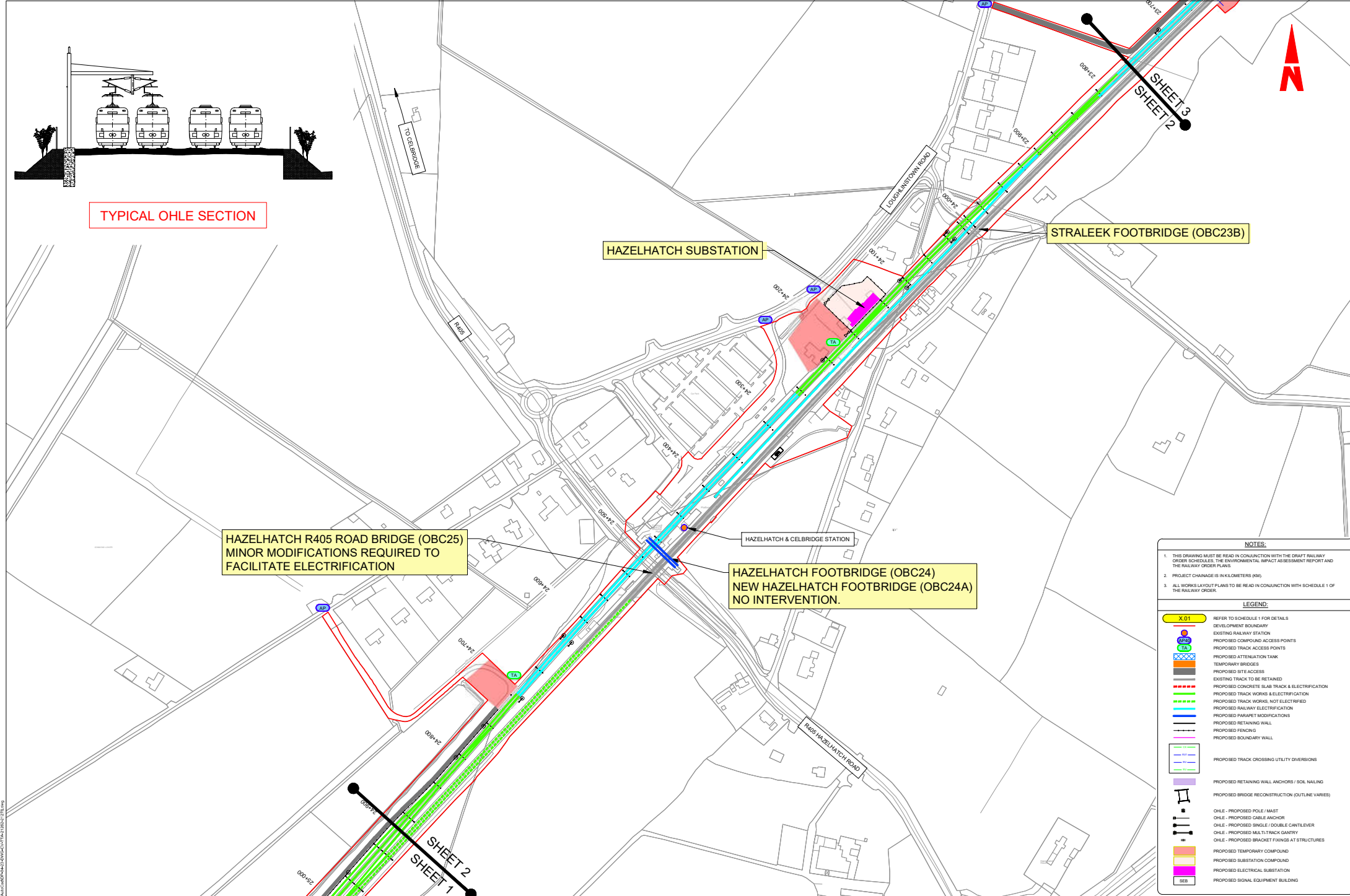
LIMIT OF DART+ SOUTH WEST PROJECT

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 CHANGING IS IN KILOMETERS (KM).
3.	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 ATTENUATION TANK
	PROPOSED 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 MULTI-TRACK GANTRY
	OHLE - 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

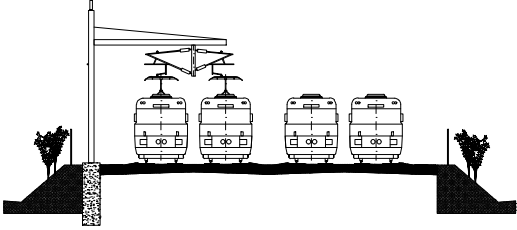
HAZELHATCH FOOTBRIDGE (OBC24)
NEW HAZELHATCH FOOTBRIDGE (OBC24A)
NO INTERVENTION.

NOTES:

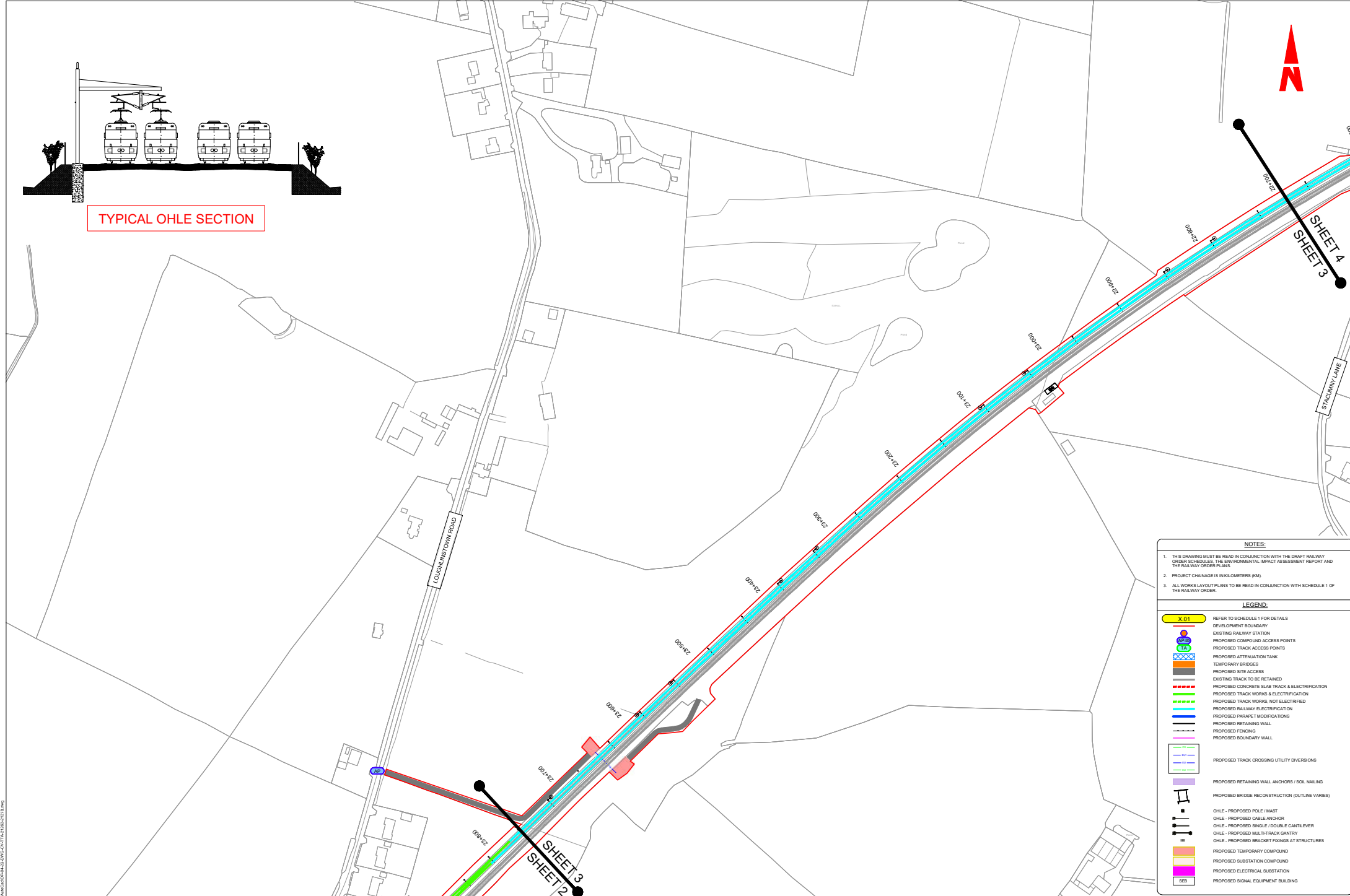
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

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
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- PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
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- OHLE - PROPOSED POLE / MAST
- OHLE - PROPOSED CABLE ANCHOR
- OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
- OHLE - PROPOSED MULTI-TRACK GANTTRY
- OHLE - PROPOSED BRACKET FINNOS 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)
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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
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- PROPOSED PARAPET MODIFICATIONS
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- PROPOSED FENCING
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- PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
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- 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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 All elevations are in metres and refer to OS Geoid Model (OS2003). Elevation may be obtained by viewing Project Content. All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Vauxley College (TL02).



Rev	Date	Drn	CHKD	APP'D	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

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

Date: 29.09.22 Scale: 1:1250 @ A0 Drawn: N.T.S. @ A0 Checked: J.P. Approved: J.P. CS

Project Code: 20220705/MAA, 160 OMS Code: TTA

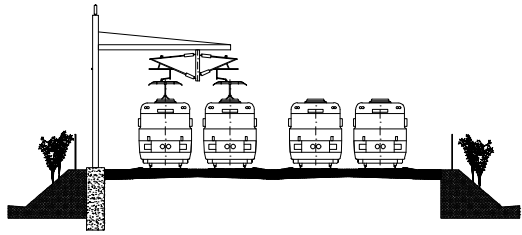
Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 3 OF 17**

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

Version: v01 Status: S3

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TYPICAL OHLE SECTION

WY LANE

STACUMNY BRIDGE (OBC21)



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:

- 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 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

SHEET 4
SHEET 3

STACUMNY LANE

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 All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station Yougha College (TL02).



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: 20.09.22

Project Code: 519999

Issue: TRA

Drawn: OMC

Checked: JP

Approved: CS

Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 4 OF 17**

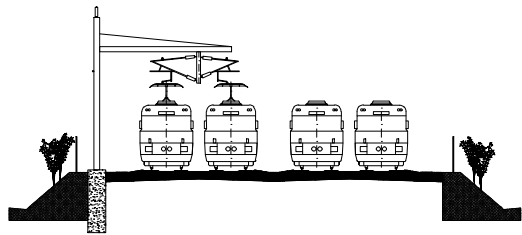
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Version: **v01**

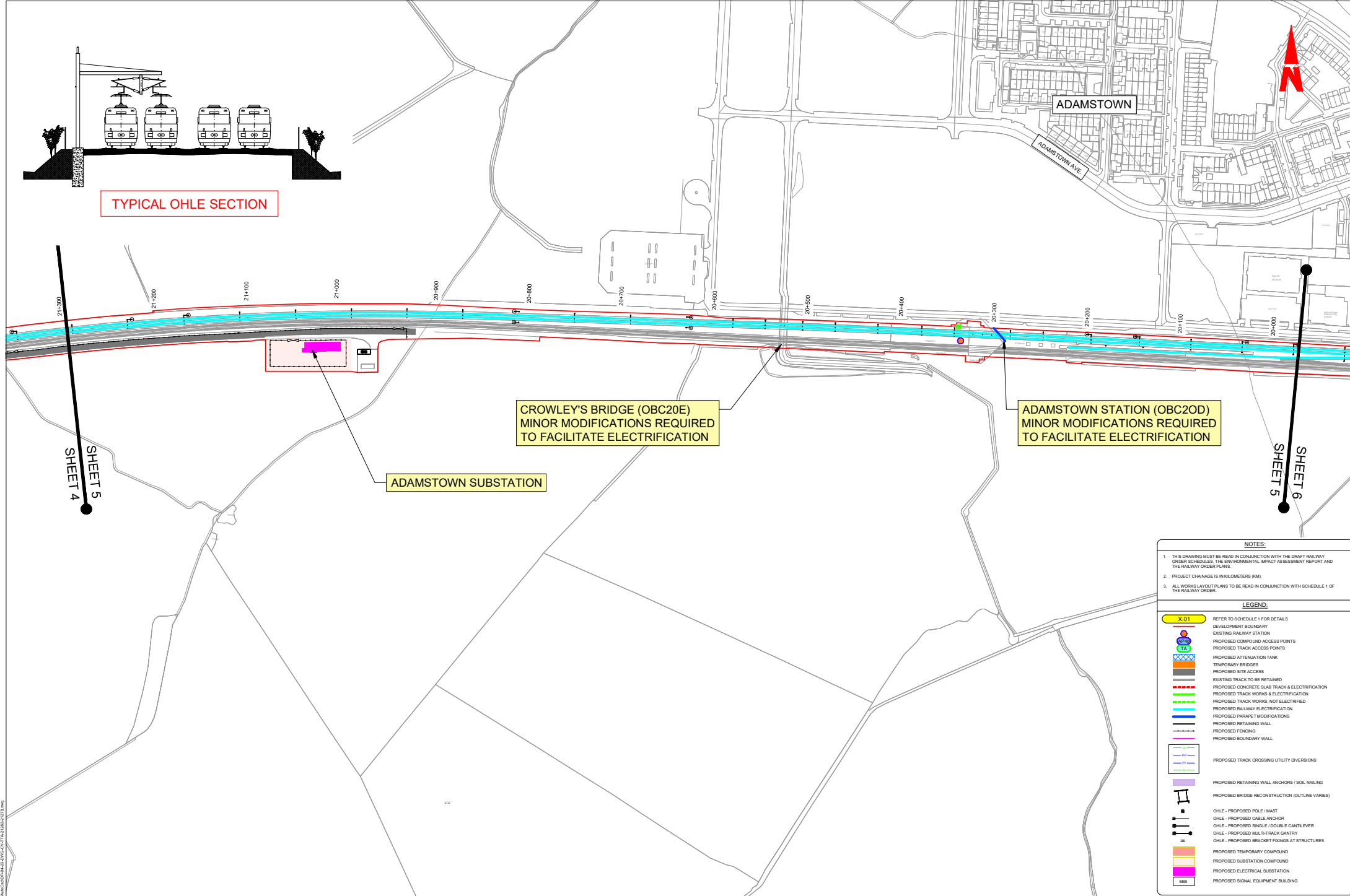
Status: **S3**

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TYPICAL OHLE SECTION



CROWLEY'S BRIDGE (OBC20E)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

ADAMSTOWN STATION (OBC20D)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

ADAMSTOWN SUBSTATION

SHEET 4
SHEET 5

SHEET 5
SHEET 6

- 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
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 - OHLE - PROPOSED POLE / MAST
 - OHLE - PROPOSED CABLE ANCHOR
 - OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
 - OHLE - PROPOSED M&L TRACK GANTERY
 - 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

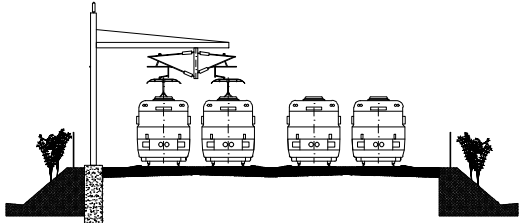
Project Code: 759999

Project Title: **DART+ SOUTH WEST**

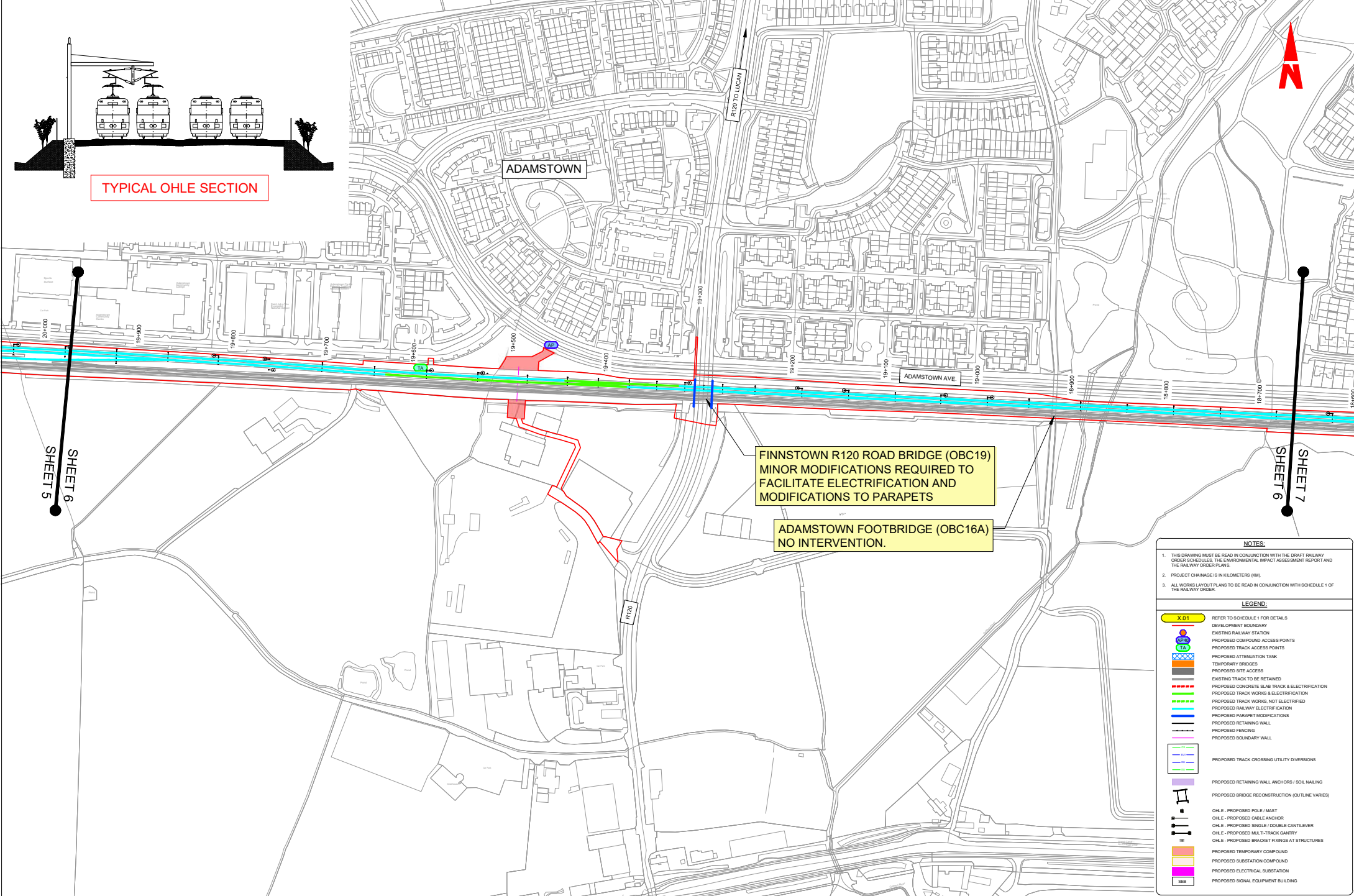
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 5 OF 17**

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

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



TYPICAL OHLE SECTION

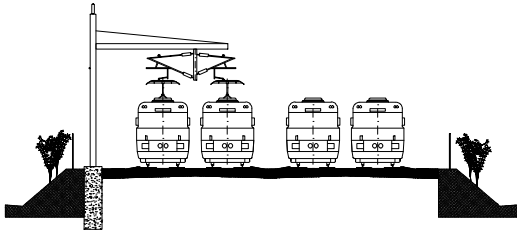


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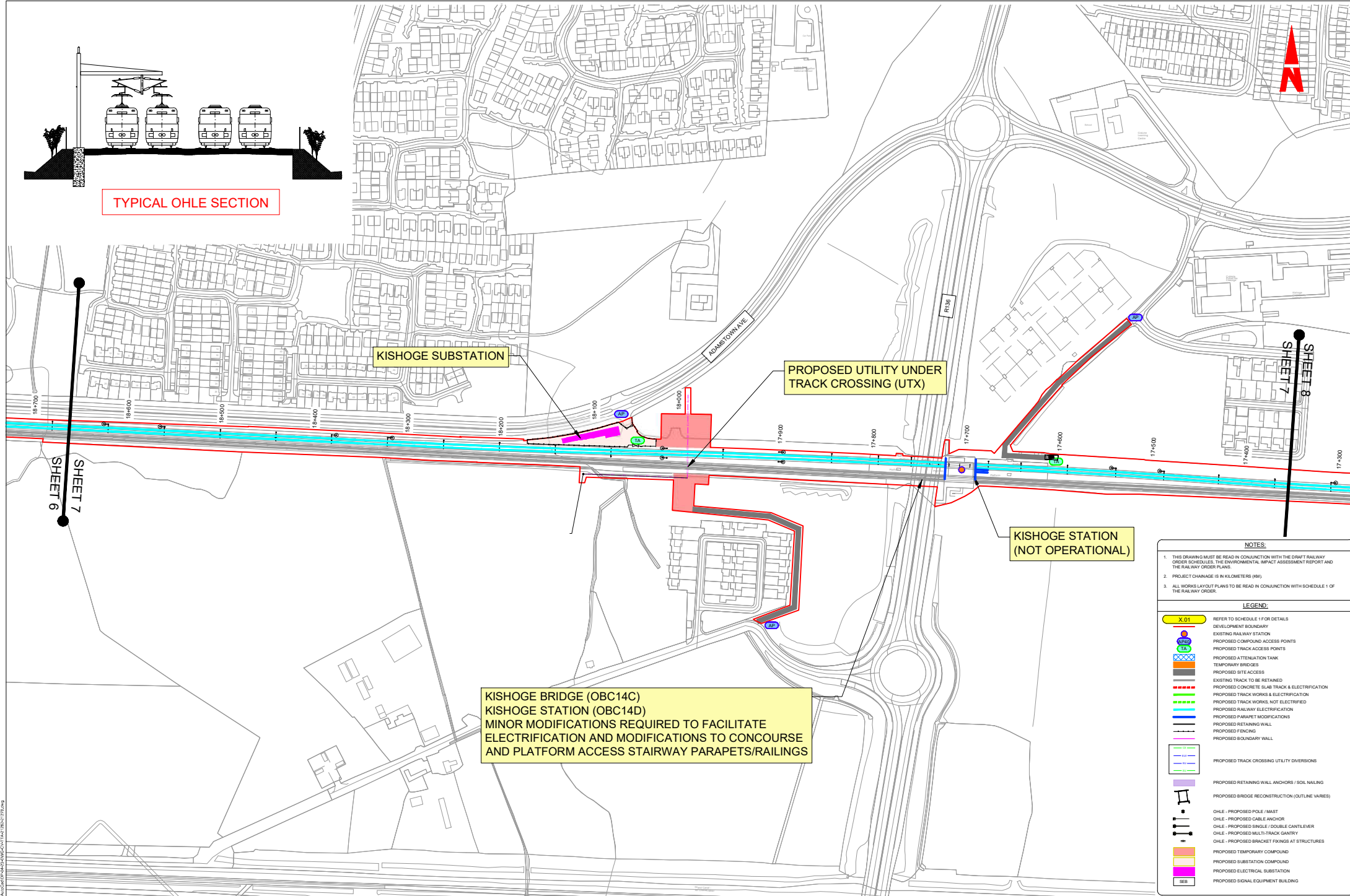
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHANGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X 01 REFER TO SCHEDULE 1 FOR DETAILS
- DEVELOPMENT BOUNDARY
- EXISTING RAILWAY STATION
- PROPOSED COMPOUND ACCESS POINTS
- PROPOSED TRACK ACCESS POINTS
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- OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
- OHLE - PROPOSED M&L TRACK GANTTRY
- OHLE - PROPOSED BRACKET FUNGUS AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING



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 CHANGAGE 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
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All elevations are rounded and shown to 0.5m (Ceolad Míod).
All Co-ordinates shown are defined by using Project Coordinate. 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: 170909

Issue: TTA

Drawn: M.S.B./AU

Checked: JP

Approved: CS

DMS Code: -

Project File: **DART+ SOUTH WEST**

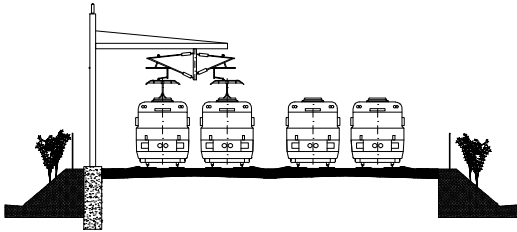
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Drawing File Name: **DP-04-23-DWG-CV-TTA-21288**

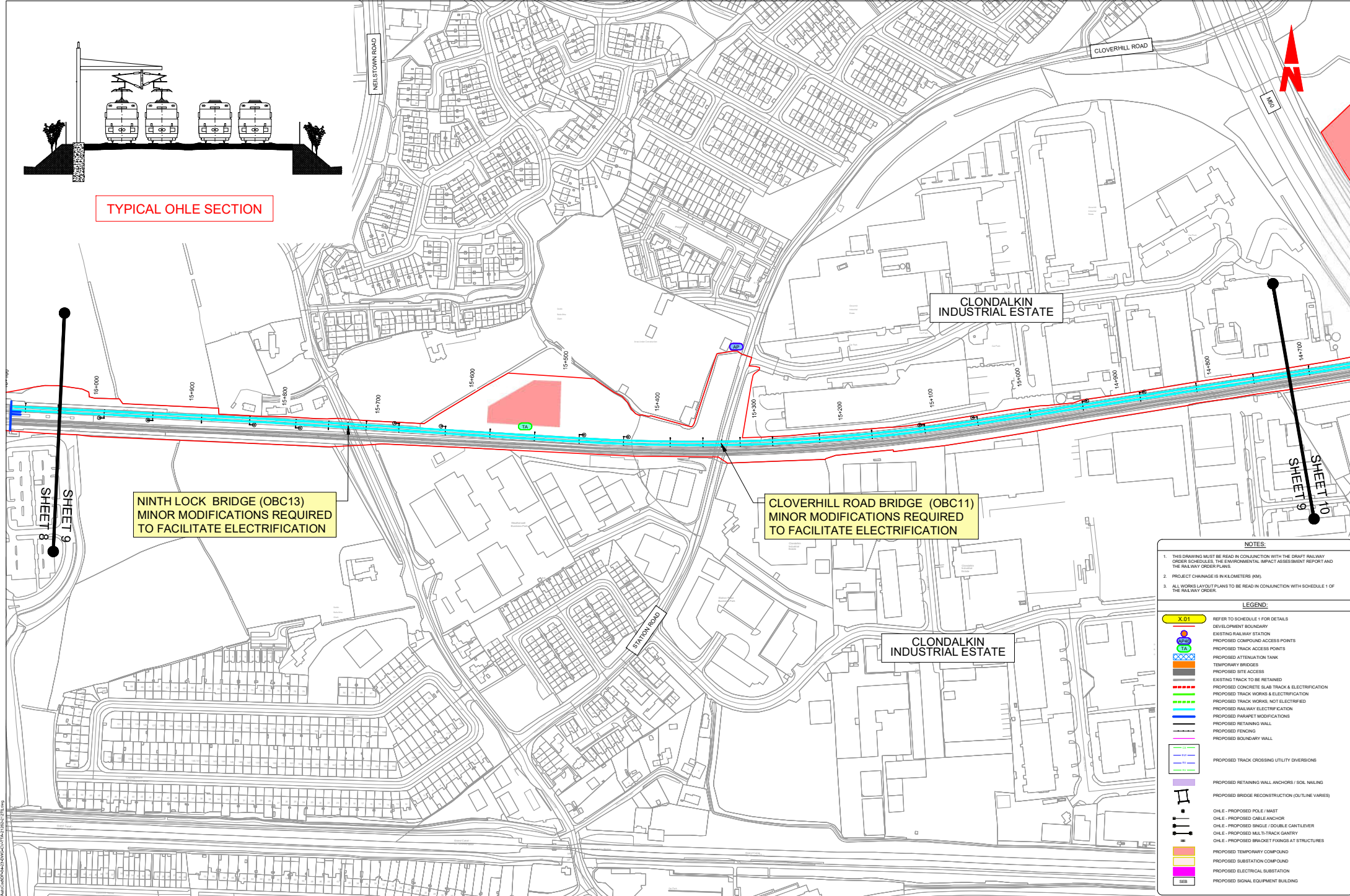
Version: **v01**

Sheet: **53**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION

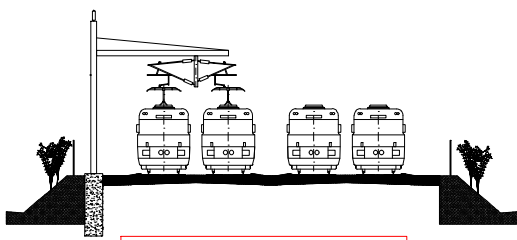


NINTH LOCK BRIDGE (OBC13)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

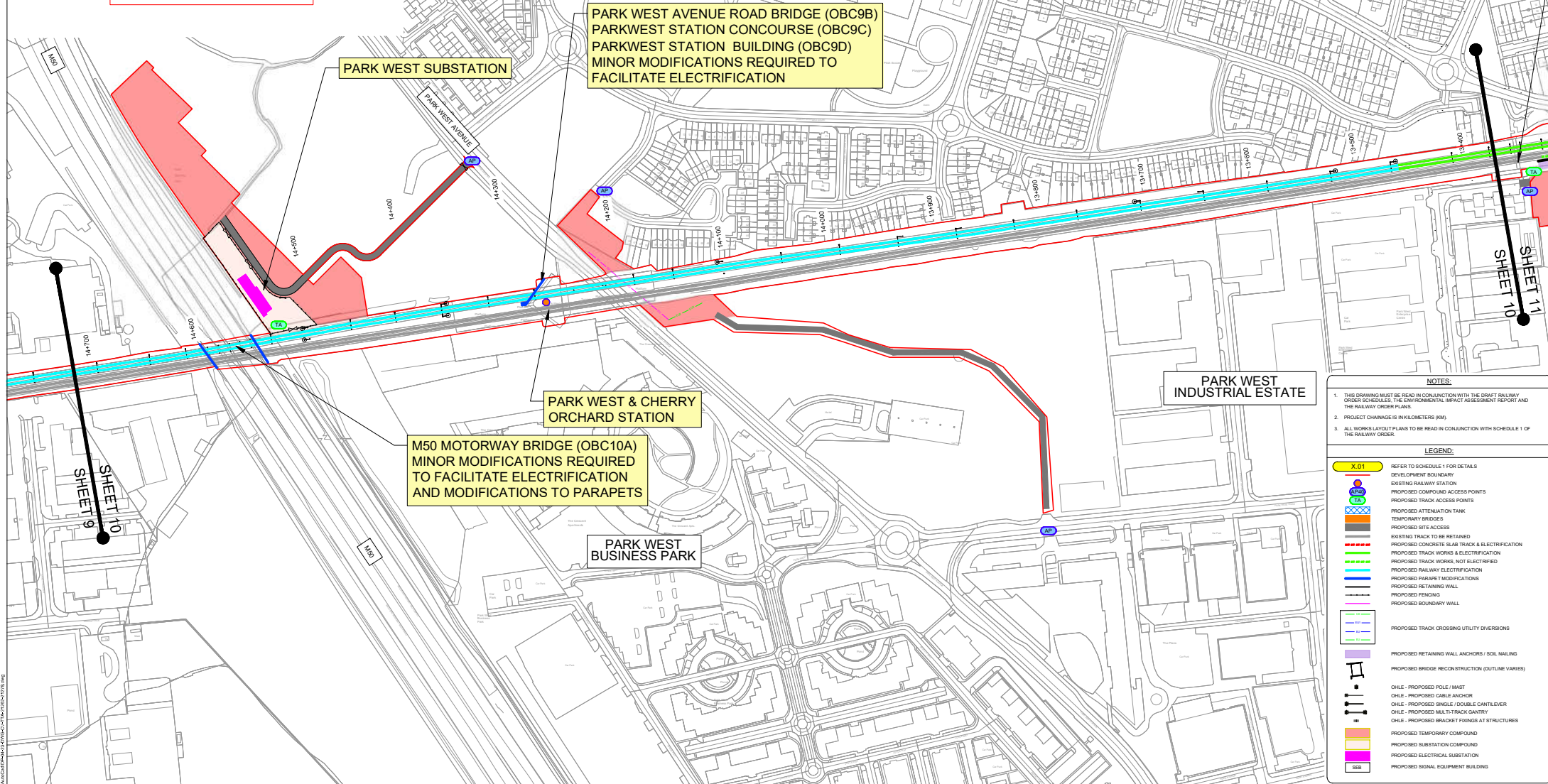
CLOVERHILL ROAD BRIDGE (OBC11)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

- 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
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 - 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 FENCING AT STRUCTURES
 - PROPOSED TEMPORARY COMPOUND
 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



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

PARK WEST SUBSTATION

PARK WEST & CHERRY ORCHARD STATION

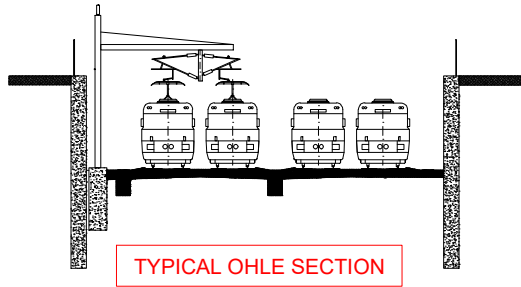
M50 MOTORWAY BRIDGE (OBC10A)
 MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND MODIFICATIONS TO PARAPETS

PARK WEST BUSINESS PARK

PARK WEST INDUSTRIAL ESTATE

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 - PROPOSED TRACK WORKS ELECTRIFICATION
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 - 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

COMBINED SEWER DIVERSION

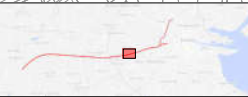
KYLEMORE ROAD BRIDGE (OBC5A)
RECONSTRUCT BRIDGE.

PARK WEST
INDUSTRIAL ESTATE

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 - PROPOSED SUBSTATION COMPOUND
 - PROPOSED ELECTRICAL SUBSTATION
 - PROPOSED SIGNAL EQUIPMENT BUILDING

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& Survey No. 2022019; NMA, 100 (OSi Vector Data).
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All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS Station Tinnahilly College (TL02).



Rev	Date	Drn	Chk1	Appr2	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: 2022019

Issue: TTA

Checked: J.P.

Approved: C.S.

Project Title: **DART+ SOUTH WEST**

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

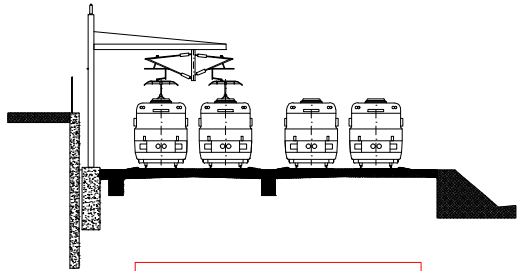
Drawing File Name: **DP-04-23-DWG-CV-TTA-21272**

Version: **v01**

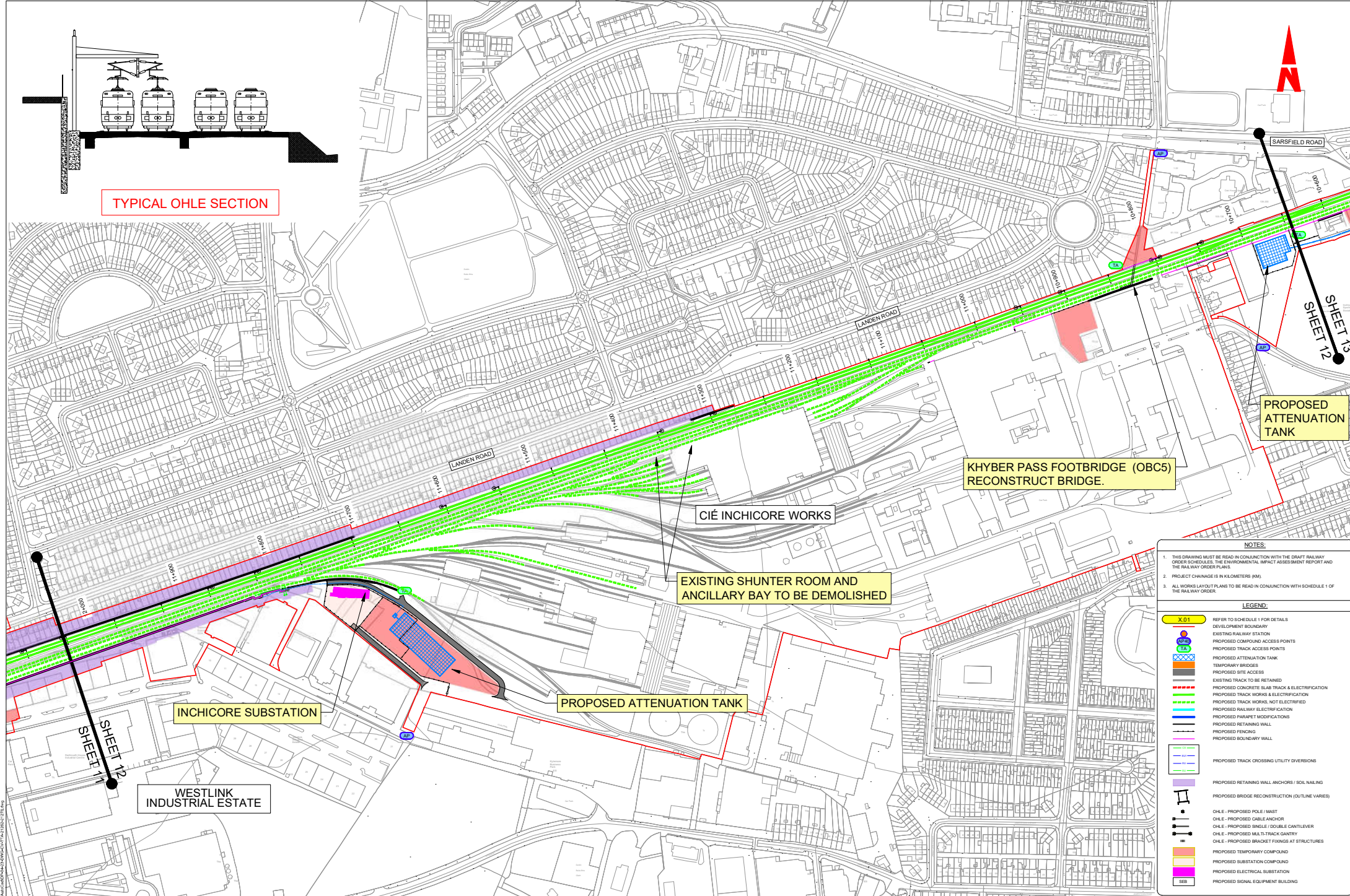
Sheet: **11** of **17**

Scale: **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

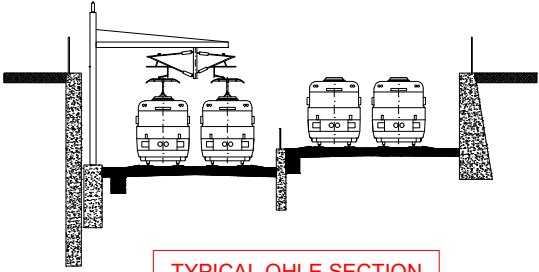
PROPOSED ATTENUATION TANK

WESTLINK INDUSTRIAL ESTATE

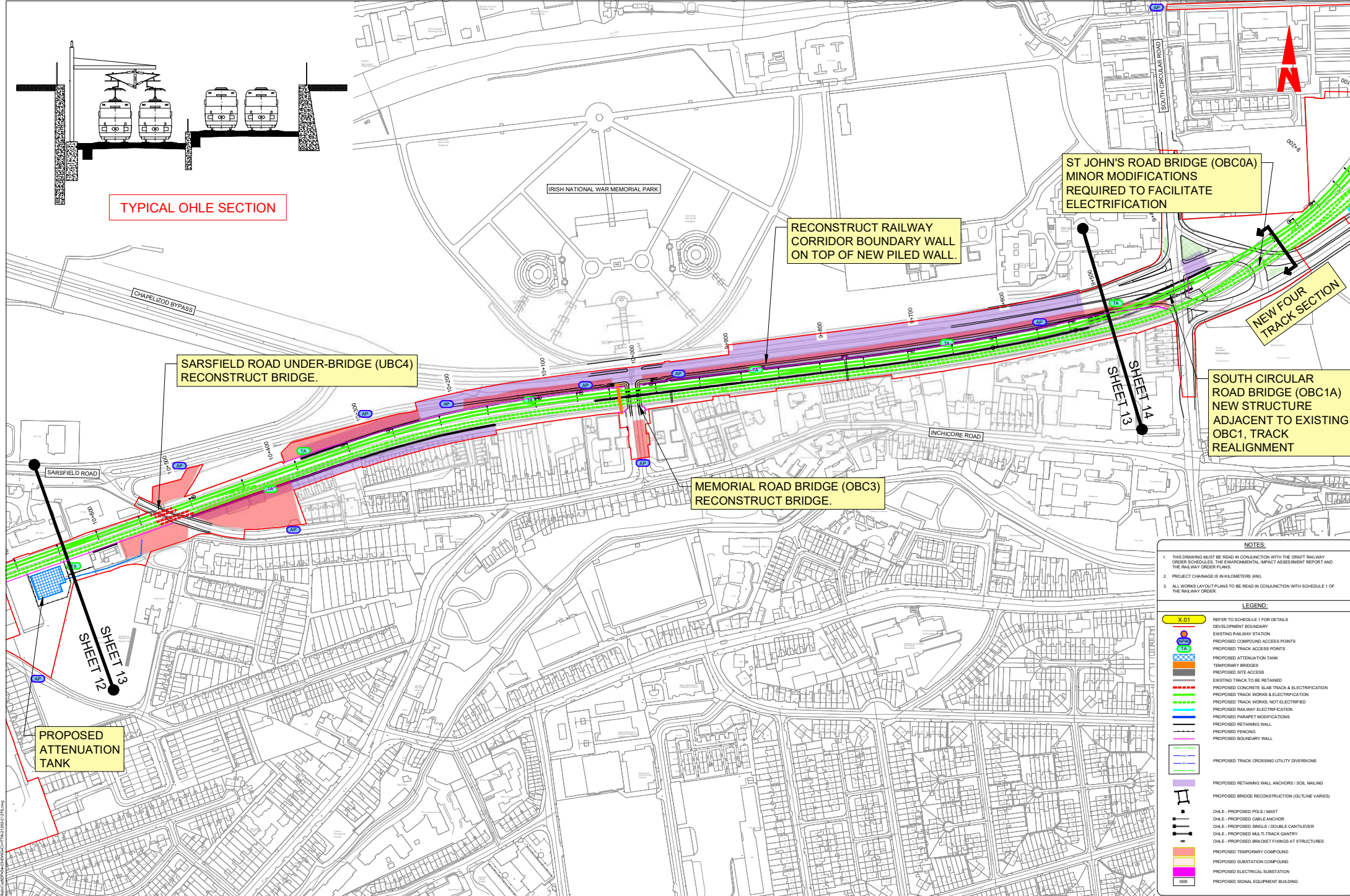
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LEGEND:

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)
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[Symbol]	O.H.E. - PROPOSED BRACKET FUNDUS AT STRUCTURES
[Symbol]	PROPOSED TEMPORARY COMPOUND
[Symbol]	PROPOSED SUBSTATION COMPOUND
[Symbol]	PROPOSED ELECTRICAL SUBSTATION
[Symbol]	PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHLE SECTION



SARSFIELD ROAD UNDER-BRIDGE (UBC4)
RECONSTRUCT BRIDGE.

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

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

NEW FOUR
TRACK SECTION

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

MEMORIAL ROAD BRIDGE (OBC3)
RECONSTRUCT BRIDGE.

PROPOSED
ATTENUATION
TANK

- NOTES:**
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All measurements are in metres and centimetres to OSI (Geoid Model) OS 2003 datum unless otherwise stated.
All coordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Tynagh College (TL02).

DART+ South West

NTA 2040

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

lamróid Éireann Irish Rail

Project Code: 000000

Scale: 1:1250 @ A0

Date: 29.09.22

Drawn: N.T.S. (J.S.)

Checked: J.P.

Approved: J.P.

Project Code: 000000

Issue: TTA

QMS Code

ATKINS

Project Title: DART+ SOUTH WEST

Drawing Title: GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 13 OF 17

Project File Name: DP-04-23-DWG-CV-TTA-21274

Version: v01

Scale: S3

Drawn: J.P.

Checked: J.P.

Approved: J.P.

Project Code: 000000

Issue: TTA

QMS Code

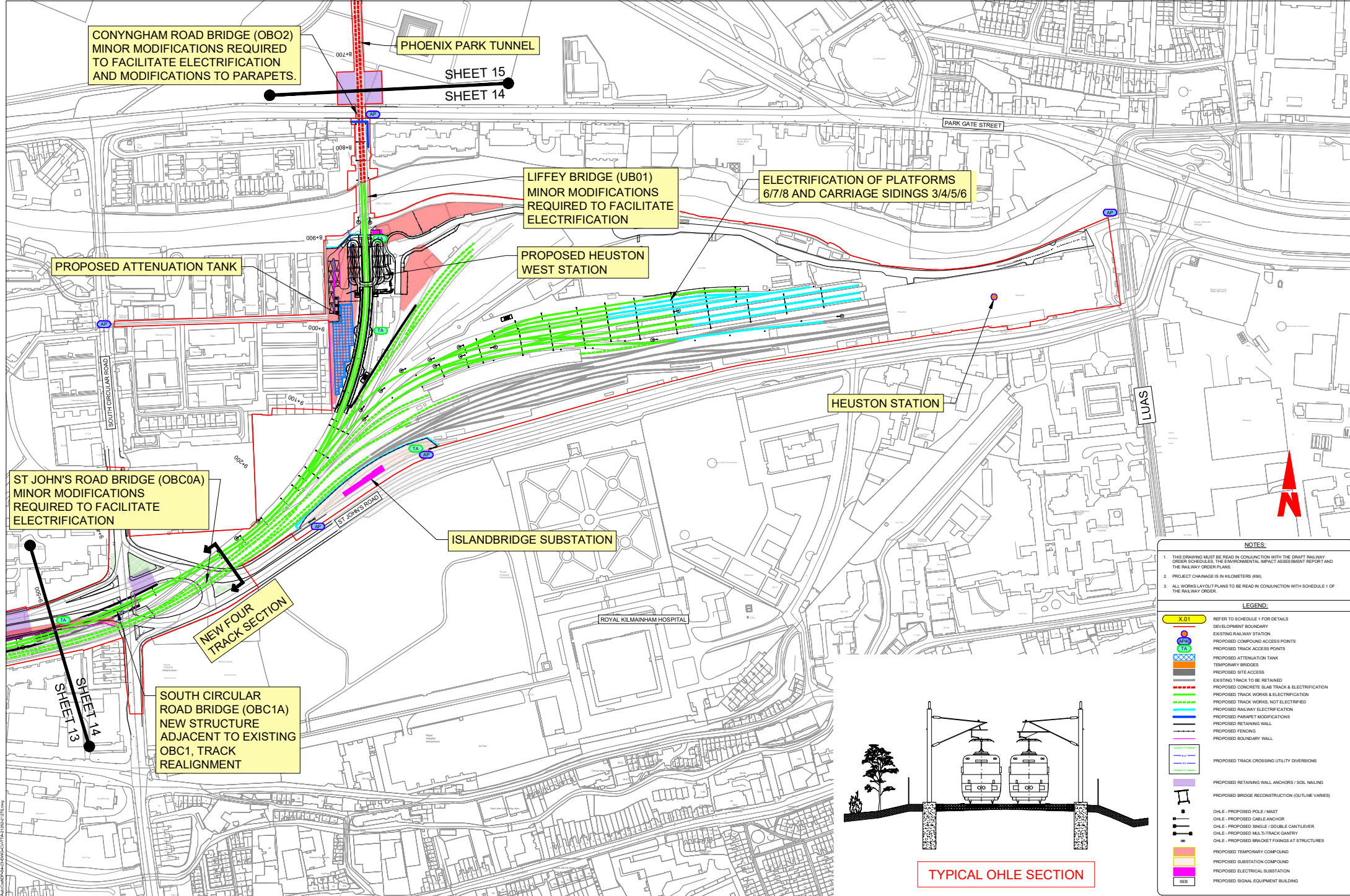
Project Title: DART+ SOUTH WEST

Drawing Title: GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 13 OF 17

Project File Name: DP-04-23-DWG-CV-TTA-21274

Version: v01

Scale: 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

NEW FOUR
TRACK SECTION

ROYAL KILMAINHAM HOSPITAL

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

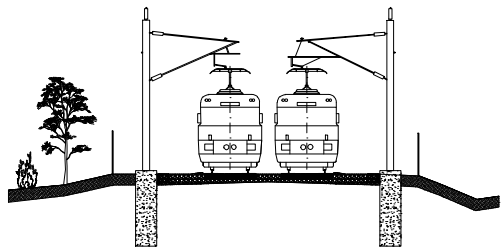
SHEET 14
SHEET 13

NOTES:

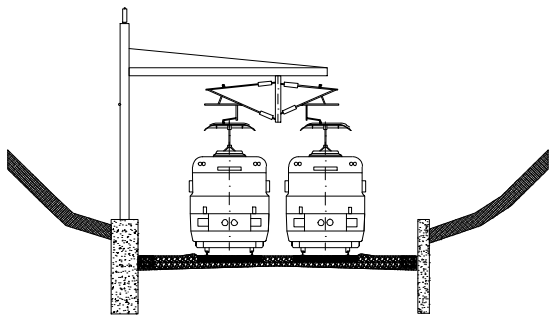
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LEGEND:

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- O.H.E. - PROPOSED MILD TRACK GANTRY
- O.H.E. - PROPOSED BRACKET FENCING AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
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- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING



TYPICAL OHE SECTION



TYPICAL OHLE SECTION

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.

SHEET 16
SHEET 15

AUGHRIM STREET



DUBLIN ZOO

GARDA HEADQUARTERS

EMERGENCY SERVICE
PERSONAL ACCESS TO TUNNEL

PHOENIX PARK TUNNEL

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

PHOENIX PARK TUNNEL

SHEET 15
SHEET 14

PARK GATE STREET

01/17/2024 10:11:22 AM

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& Survey No. 000000000 (NMA, 100 (OS Vector Data))
All dimensions are in metres and unless to OS (Scale Model)
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS Station Trinity College (TL03).

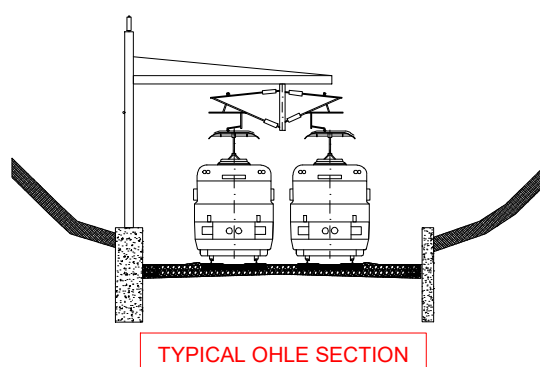
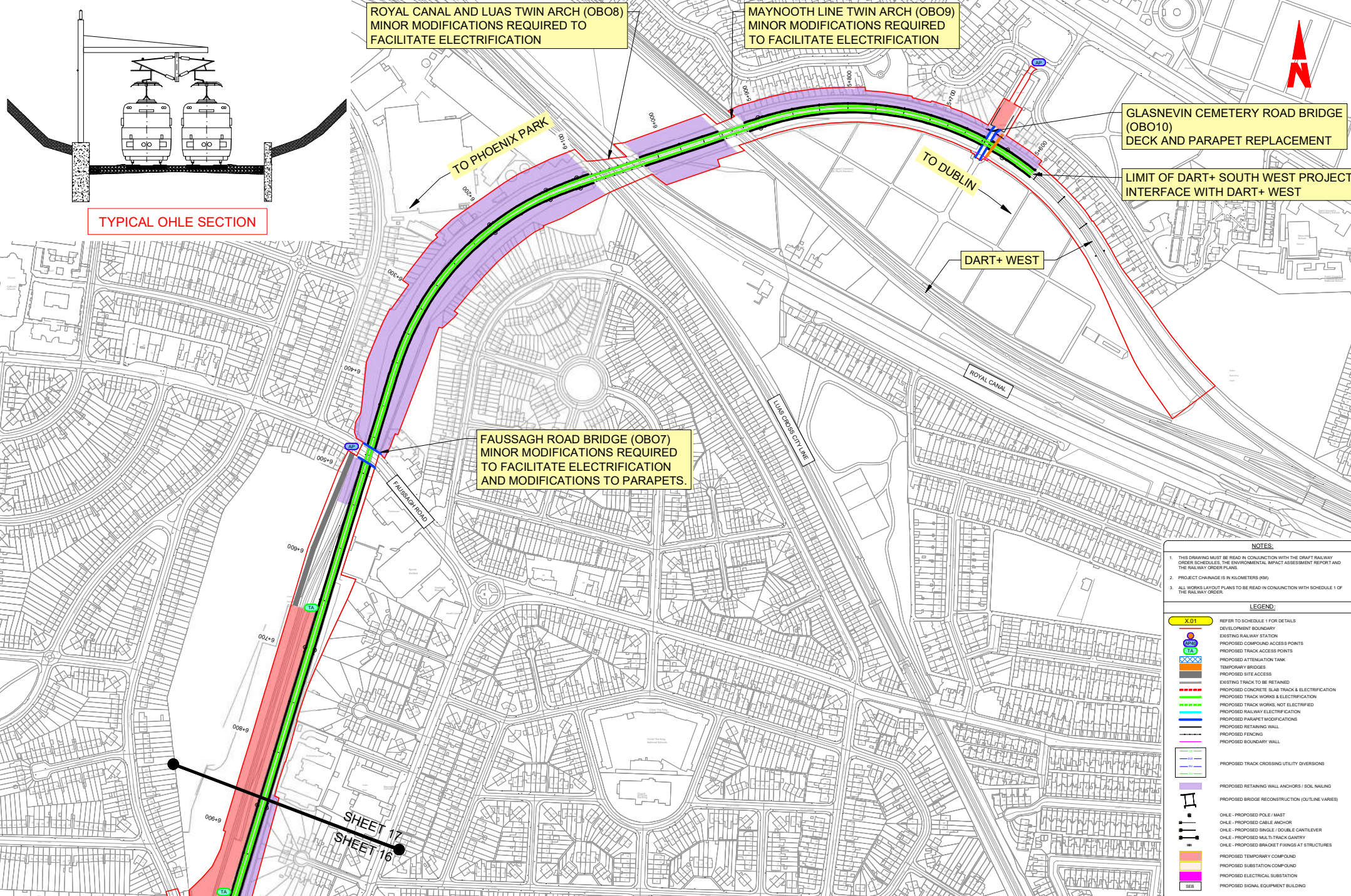


Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Date: 20.09.23 Scale: 1:1250 @ A0 Drawn: [] Checked: [] Approved: []
 Project Code: [] Issue: TTA TTA QMS Code: []

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

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION

ROYAL CANAL AND LUSK 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 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 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

DART+ SOUTH WEST
 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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