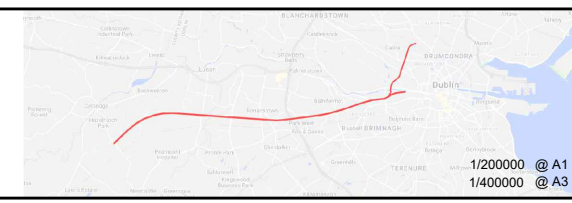


	EXISTING COMPOUND
	MAIN COMPOUND
	SATELLITE COMPOUND

COMPOUND ID.	CHAINAGE	REFERENCE	COMPOUND ID.	CHAINAGE	REFERENCE	COMPOUND ID.	CHAINAGE	REFERENCE	COMPOUND ID.	CHAINAGE	REFERENCE
CC-PW-3A-21355-A	24+700	Hazelhatch Maintenance Yard	CC-SUB-3A-21363-A	14+500	Park West (Substation)	CC-PW-3D-21369-A	11+650	Inchicore (Main)	CC-UT-3J-21376-D	7+650	Barracks (Pumpstation)
CC-PW-3A-21356-A	24+200	Hazelhatch Station	CC-UTL-3A-21364-A	14+200	Park West 38kV north	CC-PW-3D-21370-A	10+900	Inchicore (Central)	CC-PW-3J-21377-A	6+750	Cabra
CC-SUB-3A-21356-B	24+150	Hazelhatch (Substation)	CC-UTL-3A-21364-B	14+150	Park West 38kV south	CC-PW-3D-21370-B	10+800	Kyber Pass	CC-STR-3J-21378-A	5+650	Glasnevin Cemetery
CC-UTL-3A-21357-A	23+645	Celbridge Elm Hall ESB Crossing	CC-PW-3B-21365-A	13+170	Cherry Orchard	CC-STR-3E-21371-A	10+550	Sarsfield (South West)			
CC-UTL-3A-21357-B	23+635	Celbridge Elm Hall ESB Crossing	CC-PW-3B-21365-B	13+300	Lavery	CC-STR-3E-21371-B	10+500	Sarsfield (North East)			
CC-UTL-3A-21358-A	22+550	Stucumny Cottage ESB Crossing	CC-PW-3B-21366-A	12+750	Le Fanu (Main)	CC-PW-3E-21371-A	10+450	Sarsfield (South East)			
CC-UTL-3A-21358-B	22+600	Stucumny Cottage ESB Crossing	CC-STR-3B-21366-A	12+750	Le Fanu (South West)	CC-PW-3E-21372-A	10+300	Sarsfield (Horse Sanctuary)			
CC-SUB-3A-21359-A	21+000	Adamstown (Substation)	CC-PW-3B-21366-A	12+600	Le Fanu (South East)	CC-STR-3E-21373-A	10+100	Con Colbert Road (Memorial)			
CC-UTL-3A-21360-A	19+500	Adamstown ESB Crossing	CC-PW-3B-21367-A	12+570	Le Fanu Park (North East)	CC-STR-3F-21373-B	10+000	Memorial Road			
CC-UTL-3A-21360-B	19+500	Adamstown ESB Crossing	CC-PW-3B-21367-B	12+600	Le Fanu (North West)	CC-STR-3G-21374-A	9+700	Con Colbert Road (SCR)			
CC-UTL-3A-21361-A	18+000	Kishoge ESB Crossing	CC-PW-3C-21368-A	12+160	Kylemore (South West)	CC-SUB-3H-21375-A	9+150	Island Bridge Substation			
CC-SUB-3A-21361-A	18+100	Kishoge Substation	CC-PW-3C-21368-B	12+130	Kylemore (North East)	CC-PW-3I-21376-A	8+950	Heuston West (Main)			
CC-SET-3A-21362-A	15+500	Cloverhill Maintenance Yard	CC-PW-3C-21368-C	12+130	Kylemore (South East)	CC-PW-3I-21376-B	9+950	Heuston West (Attenuation)			
CC-SET-3A-21363-A	14+400	Park West	CC-SUB-3D-21369-A	11+725	Kylemore Substation	CC-PW-3I-21376-C	8+900	Heuston West (P-Way)			

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 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin 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	Dm	Chk'd	App'd	Description
v01	10.11.22	RG	JX	JX	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ATKINS Member of the SNC Lavalin Group Supported by: rps	
Date 28.06.22	Scale 1:30,000 @ A1 1:60,000 @ A3	Drawn RG	Checked JX
Project Code 5199586	Issuer TTA	Approved DM	QMS Code

Project Title DART + SOUTH WEST
Drawing Title CONSTRUCTION COMPOUNDS LOCATION OVERVIEW
Drawing File Name DP-04-23-DWG-RO-TTA-18848
Version v01
Status S3

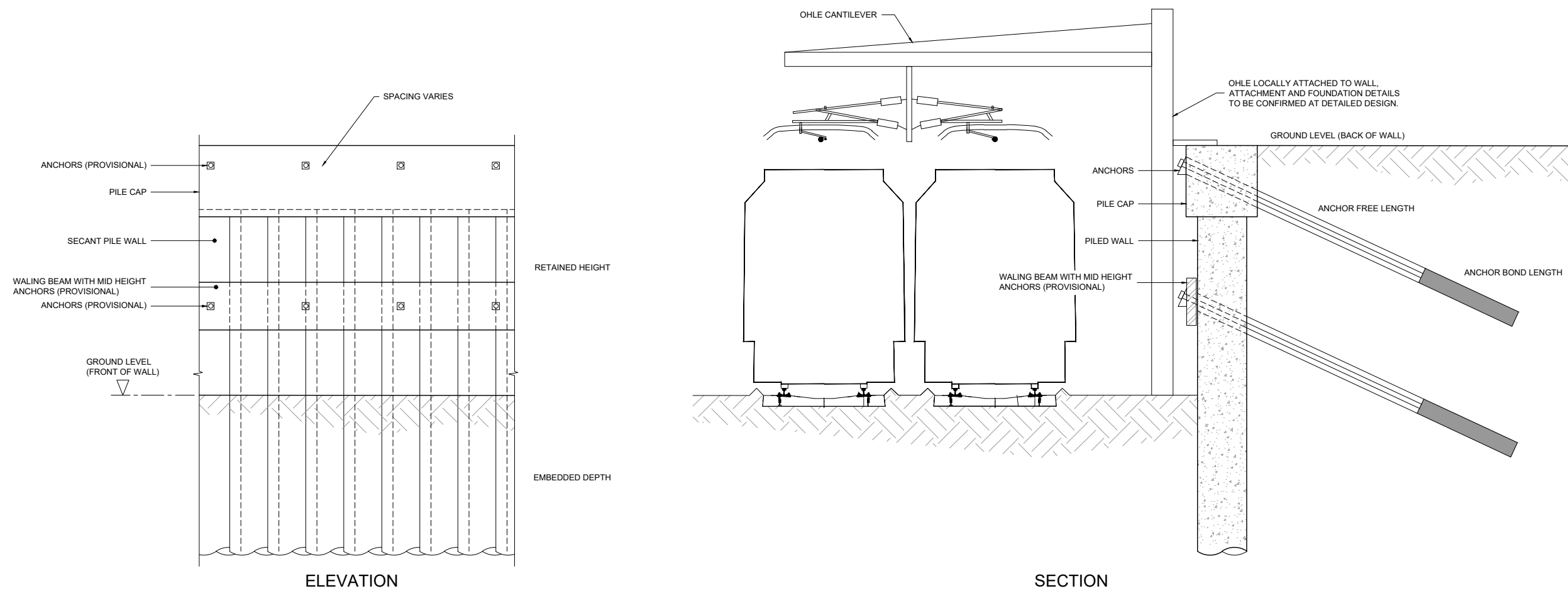
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

GENERAL NOTES:

TO BE READ IN CONJUNCTION WITH THE GDR (DP-04-23-REP-CV-TTA-01276).

PILED WALLS

- 'HARD' PILES ASSUMED TO BE 600mm DIAMETER SPACED AT 750mm CENTRES.
- DEPTH OF SECANTING TO BE CONFIRMED AT DETAILED DESIGN.
- BACK OF WALL DRAINAGE DETAILS TO BE CONFIRMED AT DETAILED DESIGN.

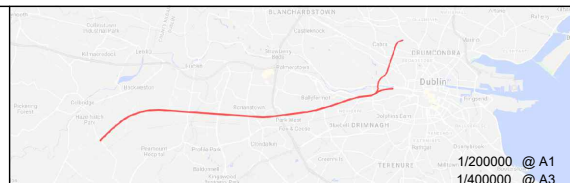


RW1 - ANCHORED PILED WALL ARRANGEMENT

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

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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	KH	PC	PC	PLANNING ISSUE

Client Irish Rail	
Date 29.11.21	Scale AS SHOWN @ A1 AS SHOWN @ A3
Project Code 5199586	Issuer TTA

Engineering Designer ATKINS	
Drawn RG	Checked PC
Approved PC	QMS Code

Project Title DART + SOUTH WEST	
Drawing Title EARTHWORKS STANDARD DETAILS SHEET 1	
Drawing File Name DP-04-23-DWG-RO-TTA-18960	Version v01
Status S3	

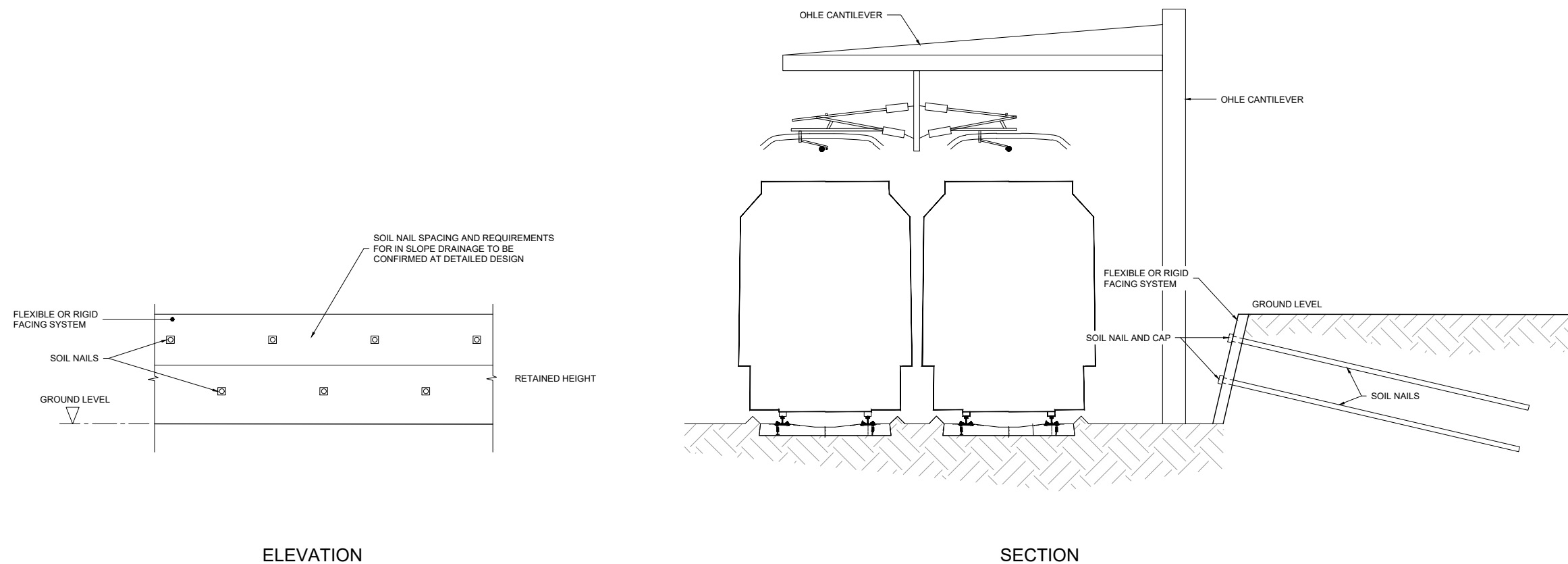
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

GENERAL NOTES:

TO BE READ IN CONJUNCTION WITH THE GDR (DP-04-23-REP-CV-TTA-01276).

SOIL NAILING

1. SPACING, LENGTH AND DIAMETER TO BE CONFIRMED AT DETAILED DESIGN.
2. REQUIREMENTS FOR IN SLOPE DRAINAGE TO BE CONFIRMED AT DETAILED DESIGN.

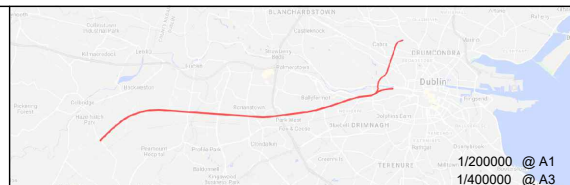


RW3 - SOIL NAILING ARRANGEMENT

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

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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	KH	PC	PC	PLANNING ISSUE

Client
Iarnród Éireann
Irish Rail

Date: 29.11.21
Project Code: 5199586

Engineering Designer
ATKINS
TYPSA Member of the SNC Lavalin Group
Supported by: **rps**

Drawn: RG
Checked: PC
Approved: PC

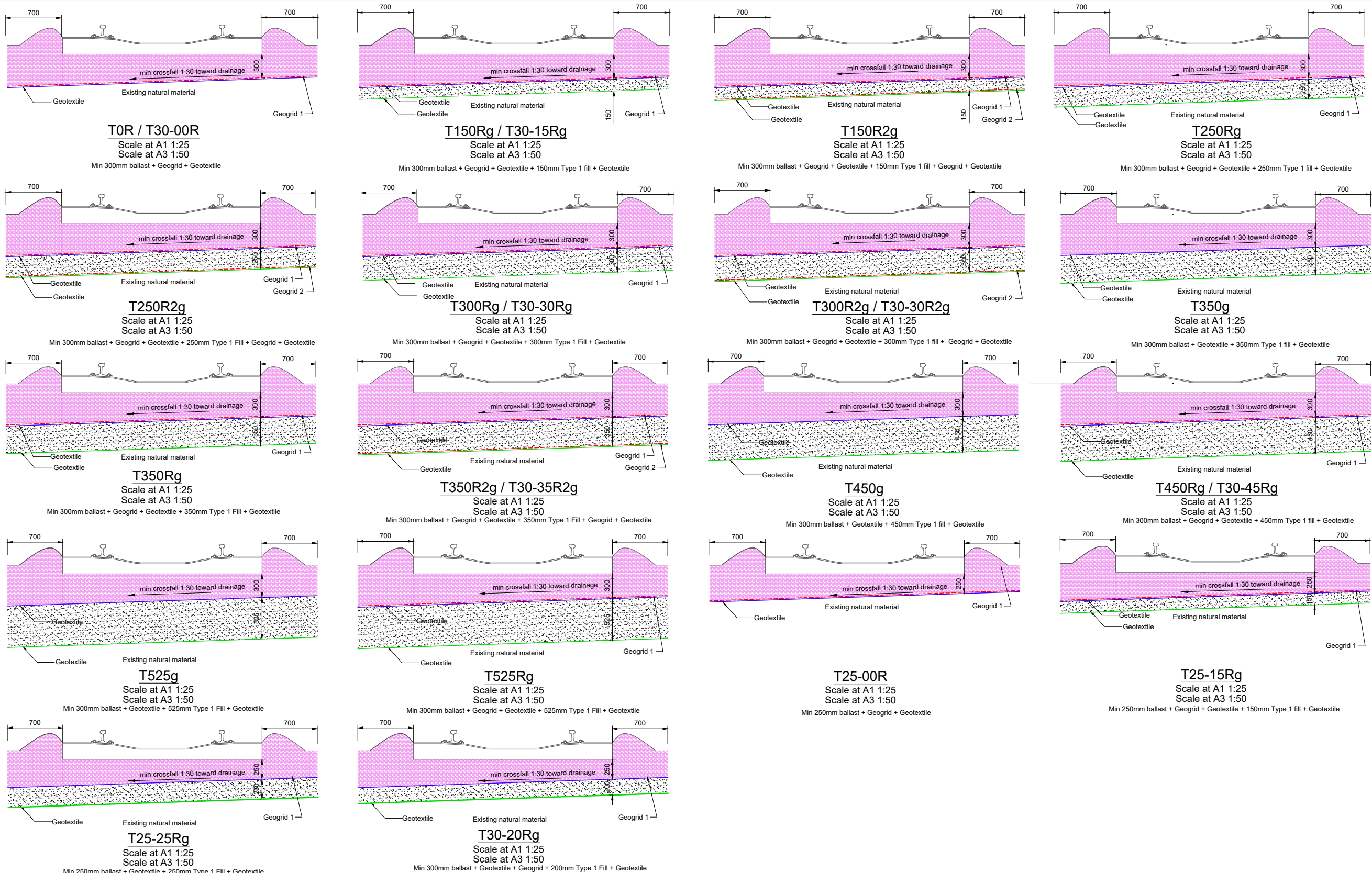
QMS Code

Project Title
DART + SOUTH WEST

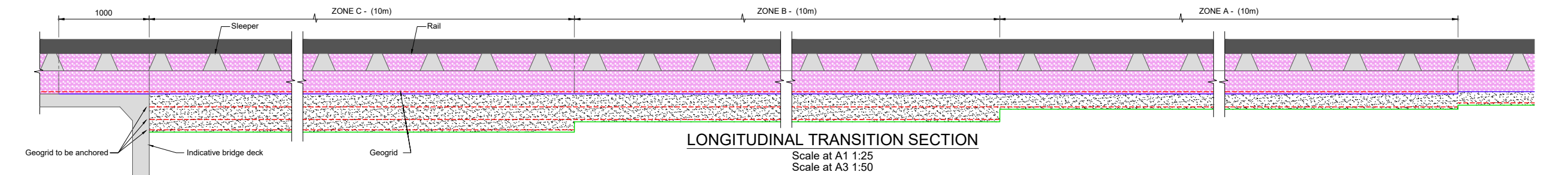
Drawing Title
EARTHWORKS STANDARD DETAILS SHEET 2

Drawing File Name: DP-04-23-DWG-RO-TTA-18961
Version: v01
Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

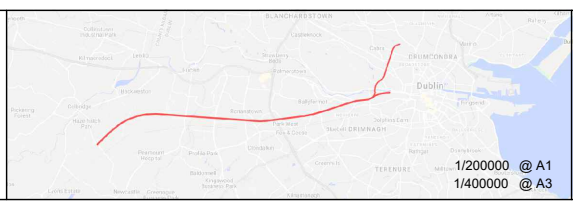


- NOTES**
- Treatment details are indicative only.
 - Ballast to CCE-TMS-321.
- KEY**
- GEGRID SHALL BE TENSAR SS30LA (OR EQUIVALENT)
 - GEOTEXTILE SHALL BE TERRATEX 4050 (OR EQUIVALENT)
 - GEOTEXTILE SHALL BE TERRAM 1000 (OR EQUIVALENT)
 - BALLAST
 - TYPE 1 GRANULAR FILL



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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	KH	PC	PC	PLANNING ISSUE

Client
Iarnród Éireann
Irish Rail

Date: 29.11.21
Project Code: 5199586

Engineering Designer
ATKINS
Supported by: **fps**

Drawn: RG
Checked: PC
Approved: PC

Project Title
DART + SOUTH WEST

Drawing Title
EARTHWORKS STANDARD DETAILS SHEET 3

Drawing File Name: DP-04-23-DWG-RO-TTA-18962
Version: v01
Status: S3

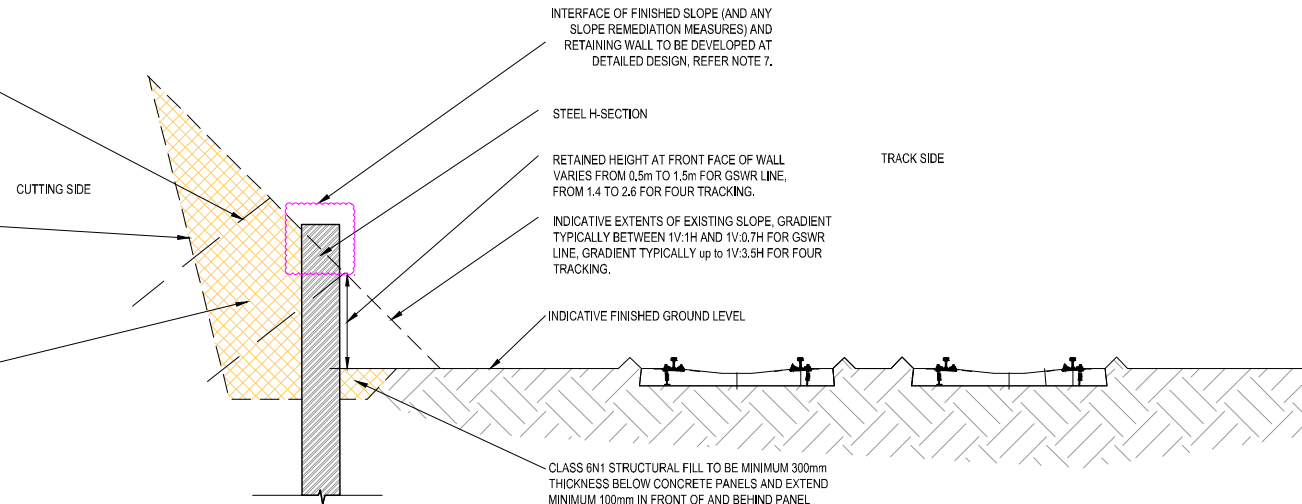
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

INDICATIVE LOCATION OF EXISTING SOIL NAILS (GSWR LINE ONLY). SLOPE REMEDIATION LOCALLY REQUIRED (GSWR LINE ONLY) AND MAY COMPRISE FURTHER SOIL NAILS AND MESH FACING OR LOCAL REGRADING OF SLOPE TO STABLE SLOPE BATTER WITH 'SHOULDER' OF CLASS 6N1 STRUCTURAL FILL AND/OR TOPSOIL RETENTION SYSTEM.

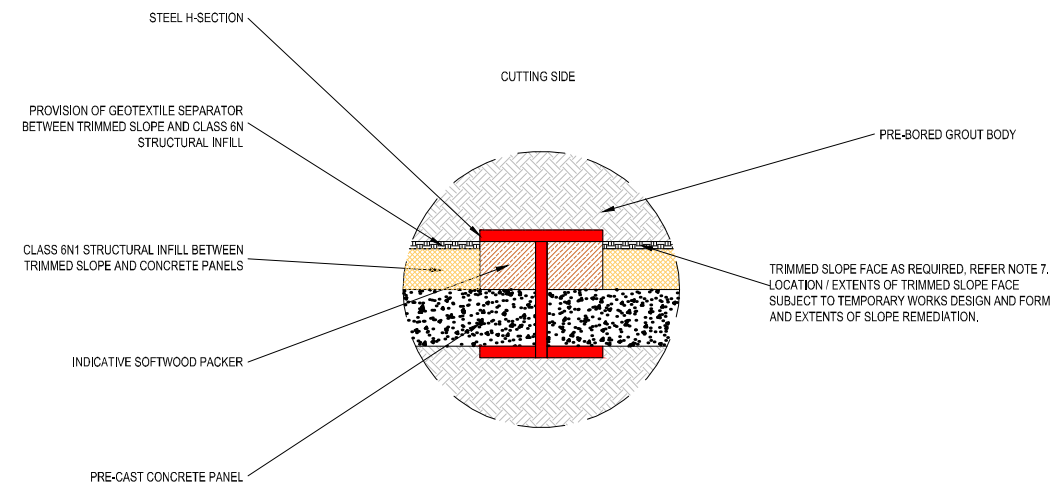
PROVISION OF GEOTEXTILE SEPARATOR BETWEEN CUT SLOPE FACE AND CLASS 6N1 STRUCTURAL INFILL

INDICATIVE TEMPORARY WORKS EXCAVATION BENCHED INTO EXISTING SLOPE AND BACKFILLED WITH CLASS 6N1 STRUCTURAL FILL:

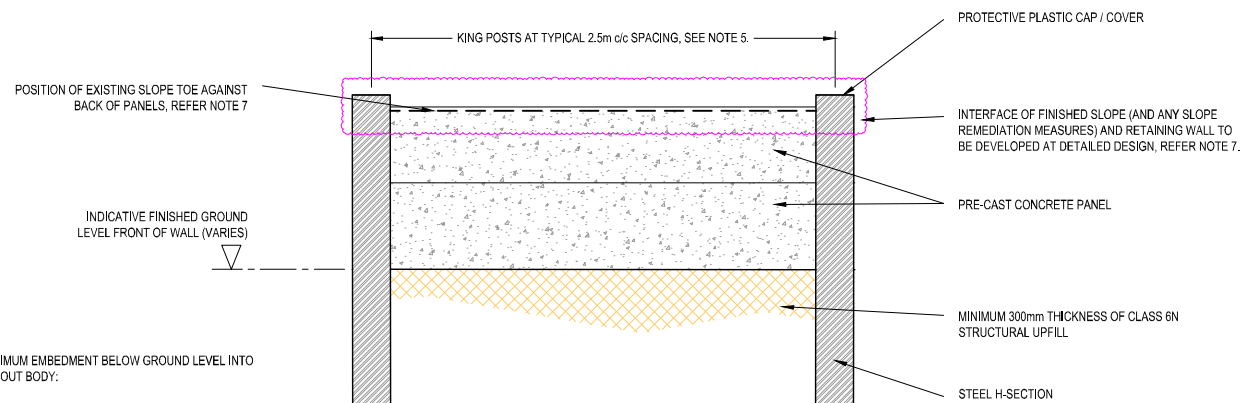
- TEMPORARY WORKS DESIGN BY OTHERS.
- WHERE PRESENT EXISTING SOIL NAILS TO BE TRUNCATED TO EXTENTS OF TEMPORARY WORKS CUT FACE AND LEFT IN-SITU.



RW2 - KING POST WALL - INDICATIVE SECTION THROUGH WALL
NOT TO SCALE



RW2 - KING POST WALL - INDICATIVE STEEL H-SECTION DETAIL
NOT TO SCALE



RW2 - KING POST WALL - INDICATIVE FRONT ELEVATION
NOT TO SCALE

NOTES:

GENERAL NOTES

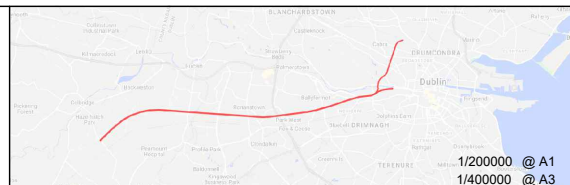
- STRUCTURAL UPFILL/INFILL (CLASS 6N1) AND GABION FILL (CLASS 6G) ARE AS PER THE TIT'S SERIES 600.
- EXISTING FOR GSWR LINE ONLY, SLOPE REMEDIATION LOCALLY REQUIRED (GSWR LINE ONLY) AND MAY COMPRISE FURTHER SOIL NAILS AND MESH FACING OR LOCAL REGRADING OF SLOPE TO STABLE SLOPE BATTER WITH 'SHOULDER' OF CLASS 6N1 STRUCTURAL FILL AND/OR TOPSOIL RETENTION SYSTEM.
- INTERFACE OF THE GABION AND KING POST RETAINING WALLS AND THE SLOPE REMEDIATION TO BE COORDINATED AT DETAILED DESIGN.

KING POST WALL

- CLASS 6N1 GRANULAR MATERIAL TO BE PROVIDED UNDERNEATH CONCRETE PANEL TO PROVIDE LEVEL SURFACE FOR CONSTRUCTION. GRANULAR MATERIAL TO BE FREE DRAINING AND COMPACTED IN LAYERS ALL IN ACCORDANCE WITH SERIES 600 OF SHW.
- SPACING OF KING POSTS SUBJECT TO REQUIRED CONSTRUCTION AND EXPANSION TOLERANCE JOINT GAPS BETWEEN WEB OF STEEL H-SECTION AND PRE-STRESSED CONCRETE PANELS.
- DIMENSIONS AND STEEL GRADE OF H-SECTION, DIAMETER OF GROUT BODY, DIMENSIONS OF PRE-CAST CONCRETE PANEL SUBJECT TO DETAILED DESIGN.
- INTERFACE OF THE KING POST WALLS AND ANY SLOPE REMEDIATION TO BE COORDINATED AT DETAILED DESIGN TO AVOID CLASHES AND STABILISE CLASS 6N1 STRUCTURAL BACKFILL AND THE TRIMMED SLOPE.
- SOFTWOOD TO BE USED BETWEEN THE CONCRETE PANEL AND THE COLUMN FLANGE TO SECURE THE PANEL.
- TEMPORARY WORKS DESIGN BY OTHERS HOWEVER IT IS RECOMMENDED CONSTRUCTION OF WALL NOT TO EXCEED ONE BAY OPEN; EACH BAY SHOULD BE COMPLETED DURING A WORKING PERIOD OF 10 HOURS.
- STEEL H SECTIONS TO BE INSTALLED INTO PRE-BORED HOLES AND BACKFILLED WITH CONCRETE. CONCRETE MIX SUBJECT TO DETAILED DESIGN.
- DRAINAGE ENHANCING GEOTEXTILE FILTER SEPARATOR TO BE PROVIDED AT FACE OF CUT SLOPE IN BETWEEN H-SECTION FLANGES, TO PREVENT THE INGRESS OF FINES WITHIN THE DRAINAGE MATERIAL.
- FINISHED GROUND LEVEL AND RETAINED HEIGHT AT FRONT FACE OF WALL VARIES AND TO BE CLARIFIED THROUGH DETAILED DESIGN.
- OUTLINE CONSTRUCTION METHODOLOGY IS AS FOLLOWS BUT WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR:
 - REMEDICATION OF EXISTING SLOPES.
 - PRE-BORE PILE POSITIONS.
 - INSTALL PILES AND ADD GROUT INFILL.
 - EXCAVATE INTO CUTTING SLOPE TO REQUIRED DEPTH.
 - INSERT CLASS 6N1 MATERIAL TO PROVIDE A LEVEL FORMATION FOR PANELS.
 - INSTALL SOFTWOOD PACKERS TO SECURE CONCRETE PANELS THEN INSERT PANELS.
 - RE-GRADE EXISTING SLOPE ABOVE WALL / TIE INTO SLOPE REMEDIATION.

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Rev	Date	Drn	Chk'd	App'd	Description
v01	10.11.22	KH	PC	PC	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Date: 29.03.22 | Scale: N.T.S. @ A1, N.T.S. @ A3

Project Code: 5199586 | Issuer: TTA

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

Supported by: **fps**

Drawn: TD | Checked: PC | Approved: PC

QMS Code: _____

Project Title: **DART + SOUTH WEST**

Drawing Title: **EARTHWORKS STANDARD DETAILS SHEET 4**

Drawing File Name: DP-04-23-DWG-RO-TTA-18963 | Version: v01 | Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

INDICATIVE LOCATION OF EXISTING SOIL NAILS (GSWR LINE ONLY).
SLOPE REMEDIATION LOCALLY REQUIRED (GSWR LINE ONLY) AND MAY COMPRISE FURTHER SOIL NAILS AND MESH FACING OR LOCAL REGRADING OF SLOPE TO STABLE SLOPE BATTER WITH 'SHOULDER' OF CLASS 6N STRUCTURAL FILL AND/OR TOPSOIL RETENTION SYSTEM.

INTERFACE OF FINISHED SLOPE (AND ANY SLOPE REMEDIATION MEASURES) AND RETAINING WALL TO BE DEVELOPED AT DETAILED DESIGN, REFER NOTE 9.

INDICATIVE TEMPORARY WORKS EXCAVATION BENCHED INTO EXISTING SLOPE AND BACKFILLED WITH CLASS 6N1 STRUCTURAL FILL:
 • TEMPORARY WORKS DESIGN BY OTHERS.
 • WHERE PRESENT, EXISTING SOIL NAILS TO BE TRUNCATED TO EXTENTS OF TEMPORARY WORKS CUT FACE AND LEFT IN-SITU.

PROVISION OF GEOTEXTILE SEPARATOR BETWEEN TRIMMED SLOPE AND CLASS 6N1 STRUCTURAL INFILL

EXTENTS OF EXISTING SLOPE, GRADIENT TYPICALLY BETWEEN 1V:1H AND 1V:0.7H FOR GSWR LINE.

1000mm x 1000mm GABION.

UP TO 500mm RETAINED HEIGHT AT FRONT FACE OF GABION, REFER NOTE 8.

INDICATIVE FINISHED GROUND LEVEL

GABION TO BE EMBEDDED BY MINIMUM 0.1m IN CLASS 6N2

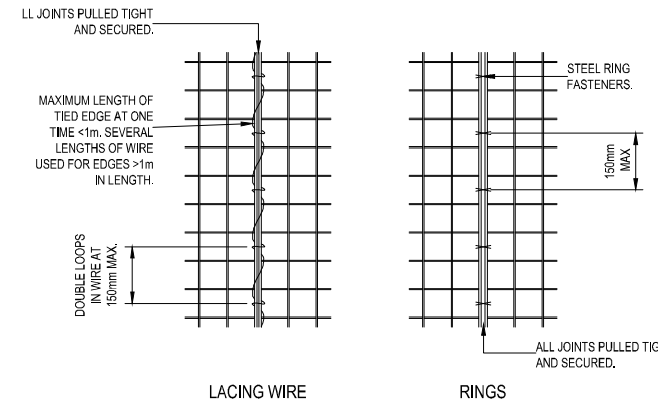
FOUNDATION (FORMATION) TO COMPRISE MINIMUM 300mm THICKNESS OF COMPACTED CLASS 6N2 STRUCTURAL FILL AND EXTEND MINIMUM 100mm EITHER SIDE OF GABION BASKET

RW4 - GABION WALL - INDICATIVE SECTION THROUGH WALL
NOT TO SCALE

NOTES:

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
 - STRUCTURAL UPFILL/INFILL (CLASS 6N) AND GABION FILL (CLASS 6G) ARE AS PER THE TIT'S SERIES 600 DOCUMENTS FOR HIGHWAY WORKS (MCDHW).
 - FOR GSWR LINE ONLY, SLOPE REMEDIATION LOCALLY REQUIRED (GSWR LINE ONLY) AND MAY COMPRISE FURTHER SOIL NAILS AND MESH FACING OR LOCAL REGRADING OF SLOPE TO STABLE SLOPE BATTER WITH 'SHOULDER' OF CLASS 6N STRUCTURAL FILL AND/OR TOPSOIL RETENTION SYSTEM.
 - INTERFACE OF THE GABION AND KING POST RETAINING WALLS AND THE SLOPE REMEDIATION TO BE COORDINATED AT DETAILED DESIGN.
- GABION WALL
- GABION FILL MATERIAL TO BE CLASS 6G GRANULAR MATERIAL GRADED BETWEEN 100mm AND 200mm IN ACCORDANCE WITH SERIES 600 OF SHW.
 - GABION BASKETS TO BE CONSTRUCTED FROM GALVANISED DOUBLED TWIST WOVEN STEEL WIRE MESH AND INTERLINKED WITH HELICAL SPIRALS OR SIMILAR FIXING DETAILS APPROVED BY THE DESIGNER. GABIONS TO INCLUDE BRACING WIRES.
 - GABIONS TO BE ASSEMBLED, FILLED AND JOINED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - EXCAVATIONS TO INSTALL GABIONS WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR HOWEVER SHALL CONSIDER THE STABILITY OF THE SLOPE ABOVE AT ALL TIMES (TRENCH EXCAVATION, BENCH BACKING, TOE EXCAVATION). OPEN LENGTHS MAY BE LIMITED. BACKFILLING TO START IMMEDIATELY FOLLOWING EXCAVATION AND CONSTRUCTION METHOD TO BE ASSESSED BY THE DESIGNER.
 - FINISHED GROUND LEVEL AND RETAINED HEIGHT AT FRONT FACE OF WALL VARIES AND TO BE CLARIFIED THROUGH DETAILED DESIGN.
 - INTERFACE OF THE GABION WALLS AND THE SLOPE REMEDIATION TO BE COORDINATED AT DETAILED DESIGN TO AVOID CLASHES AND STABILISE CLASS 6N STRUCTURAL BACKFILL AND THE TRIMMED SLOPE FACE.



GABION BASKET FIXING TYPICAL DETAILS
NOT TO SCALE

POSITION OF EXISTING SLOPE TOE AGAINST BACK OF / ON TOP OF GABIONS, REFER NOTE 9.

1000x1000 GABION WITH UP TO 500mm RETAINED HEIGHT AT FRONT FACE OF GABION

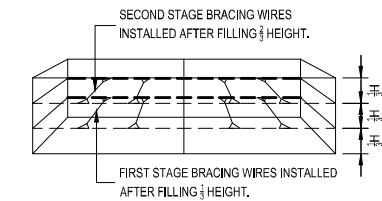
INDICATIVE FINISHED GROUND LEVEL IN FRONT OF GABIONS (VARIES)

FOUNDATION (FORMATION) TO COMPRISE MINIMUM 300mm THICKNESS OF COMPACTED CLASS 6N STRUCTURAL FILL

SUBFORMATION PERFORMANCE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE. MINIMUM OF STIFF CLAY OR MEDIUM DENSE GRANULAR MATERIAL.

GABION TO BE EMBEDDED BY MINIMUM 0.1m IN CLASS 6N STRUCTURAL UPFILL

RW4 - GABION WALL - INDICATIVE FRONT ELEVATION
NOT TO SCALE



GABION BASKET BRACING WIRES TYPICAL DETAIL FOR 1m HIGH UNITS
NOT TO SCALE

END UNITS REQUIRE BRACING IN TWO DIRECTIONS

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 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean 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	Chk'd	App'd	Description
v01	10.11.22	KH	PC	PC	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

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

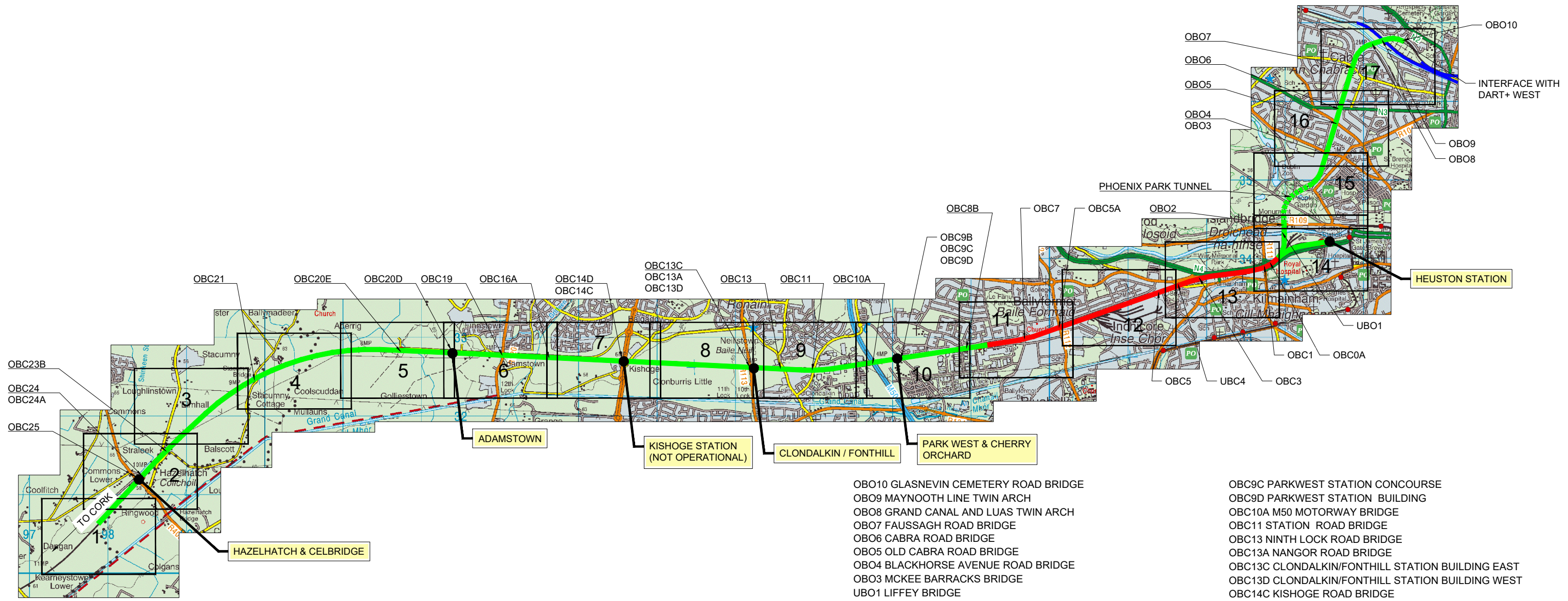
Supported by: **rps**

Date: 29.03.22 | Scale: N.T.S. @ A1, N.T.S. @ A3 | Drawn: TD | Checked: PC | Approved: PC

Project Code: 5199586 | Issuer: TTA | QMS Code: []

Project Title	DART + SOUTH WEST		
Drawing Title	EARTHWORKS STANDARD DETAILS SHEET 5		
Drawing File Name	DP-04-23-DWG-RO-TTA-18964	Version	v01
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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
- OBC21 STACUMMY ROAD BRIDGE
- OBC23B NEW FOOTBRIDGE STRALEEK
- OBC24 HAZELHATCH FOOTBRIDGE
- OBC24A NEW HAZELHATCH FOOTBRIDGE
- OBC25 HAZELHATCH R405 ROAD BRIDGE

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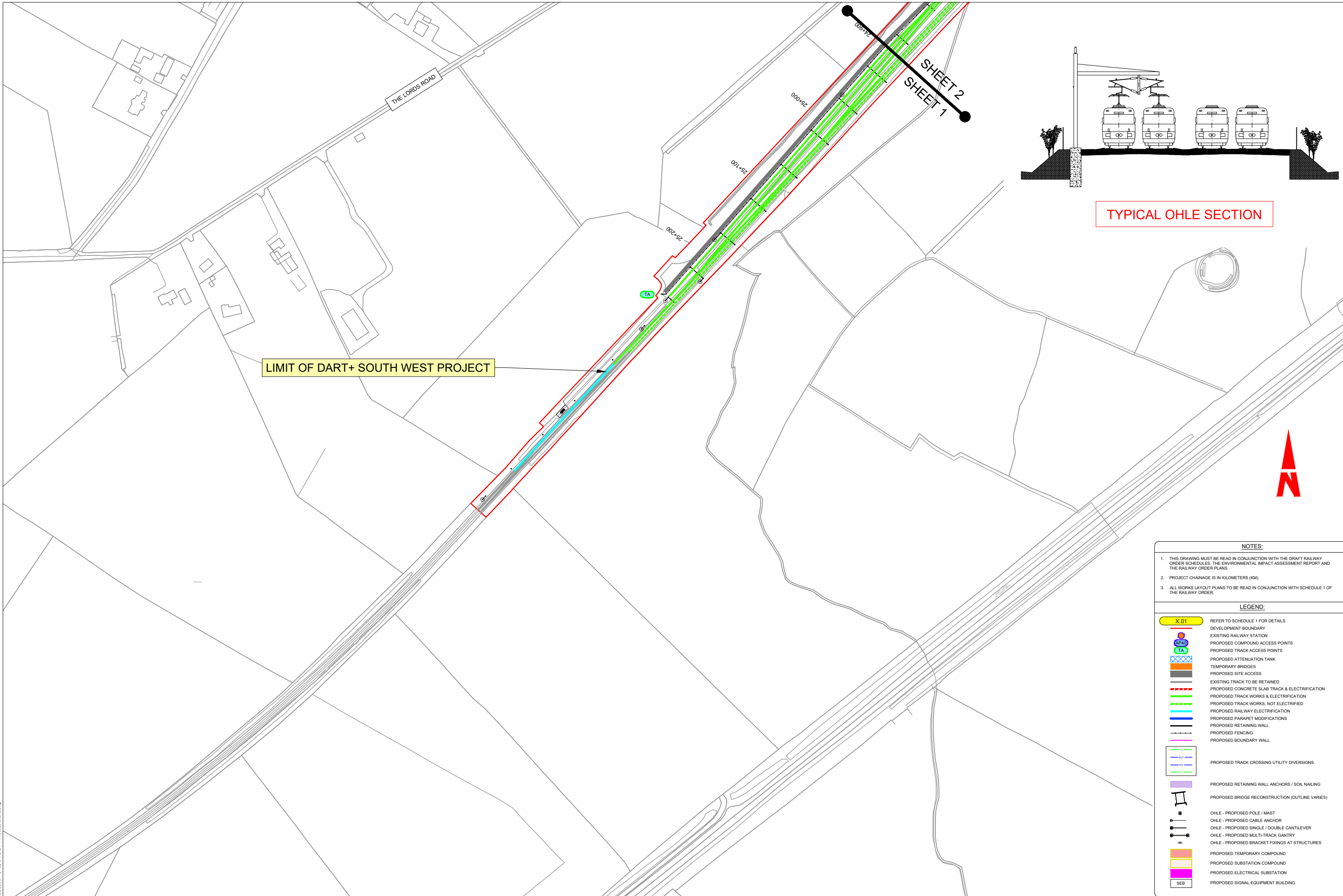
Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client	Iarnród Éireann Irish Rail
Engineering Designer	ATKINS Supported by rps
Date	29.09.22
Scale	N.T.S @ A0
Drawn	DMC
Checked	JP
Approved	CS
Project Code	5199586
Issuer	TTA
QMS Code	---

Project Title	DART+ SOUTH WEST
Drawing Title	GENERAL DESIGN PROJECT SCHEMATIC LAYOUT KEY PLAN
Drawing File Name	DP-04-23-DWG-CV-TTA-21261
Version	V01
Status	S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

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TYPICAL OHLE 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 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 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 MULTI-TRACK GANTRY
- OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING

U:\19186868_Dwg-Graphic\61_AutoCad\DP-44-2-DWG-CV-TTA-21262-1278.dwg

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DART+ South West

NTA
National Transport Authority

2040
Decade of Centenaries

Rev | Date | Dm | Chkd | App'd | Description

v01	10.11.22	DMP	JP	CS	PLANNING ISSUE
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Client: **Irish Rail**

Date: 29.09.22 | Scale: 1:1250 @ A0 | Drawn: [] | Checked: [] | Approved: []

Project Code: 199586 | Issuer: TTA | QMS Code: []

Engineering Designer: **ATKINS**

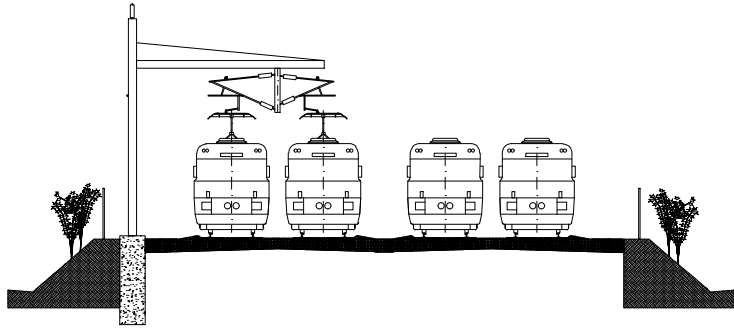
Supported by: **rps**

Project Title: **DART+ SOUTH WEST**

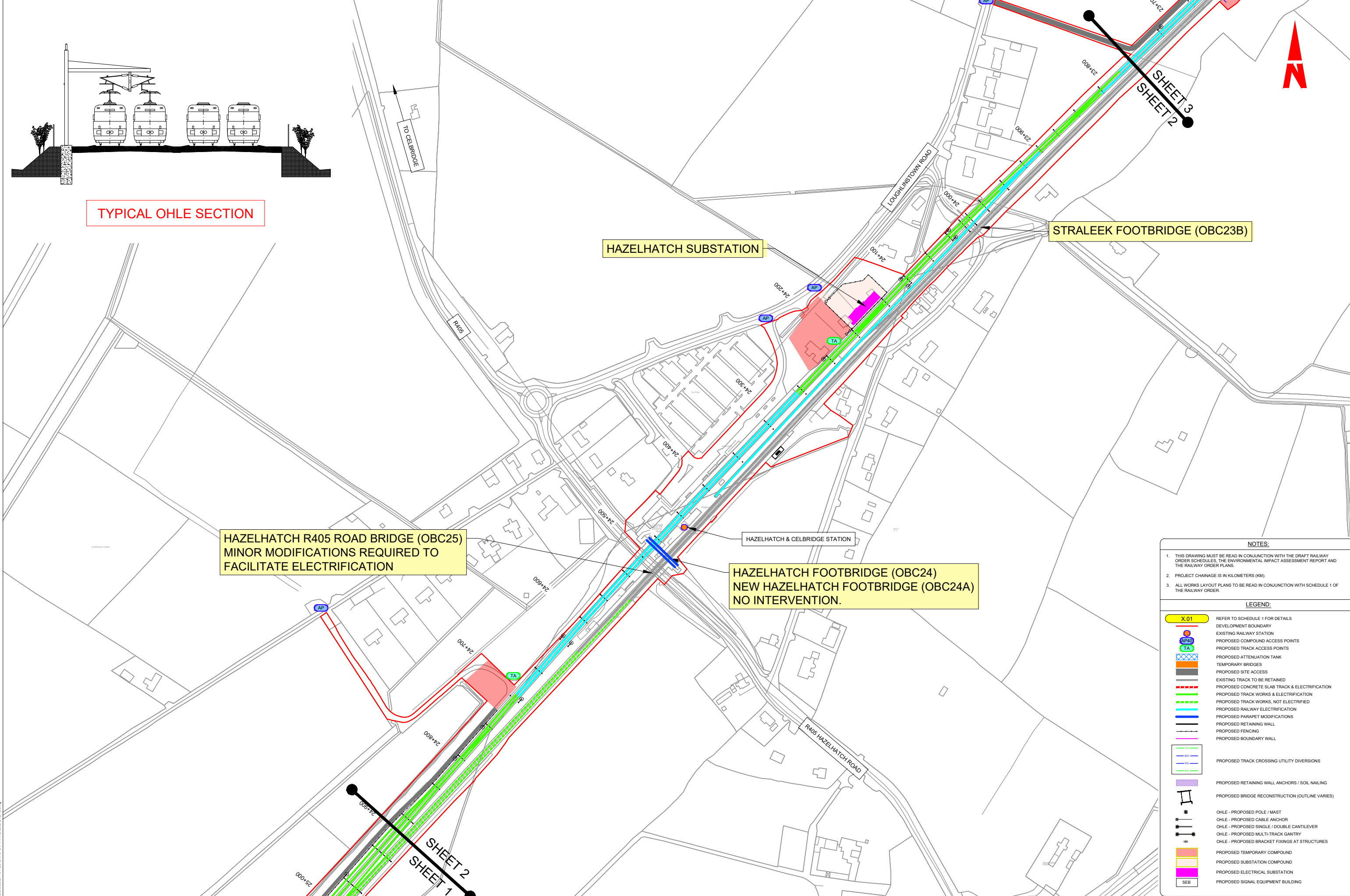
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 1 OF 17**

Drawing File Name: DP-04-23-DWG-CV-TTA-21262 | Version: v01 | Status: S3

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TYPICAL OHLE SECTION



HAZELHATCH SUBSTATION

STRALEEK FOOTBRIDGE (OBC23B)

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

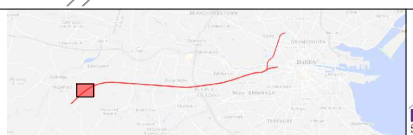
HAZELHATCH FOOTBRIDGE (OBC24)
NEW HAZELHATCH FOOTBRIDGE (OBC24A)
NO INTERVENTION.

- 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 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 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 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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Rev	Date	Dm	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Supported by: **rps**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 199586 Issuer: TTA QMS Code: ---

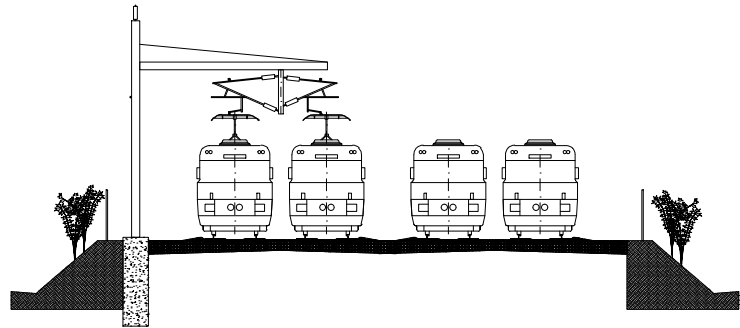
Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 2 OF 17**

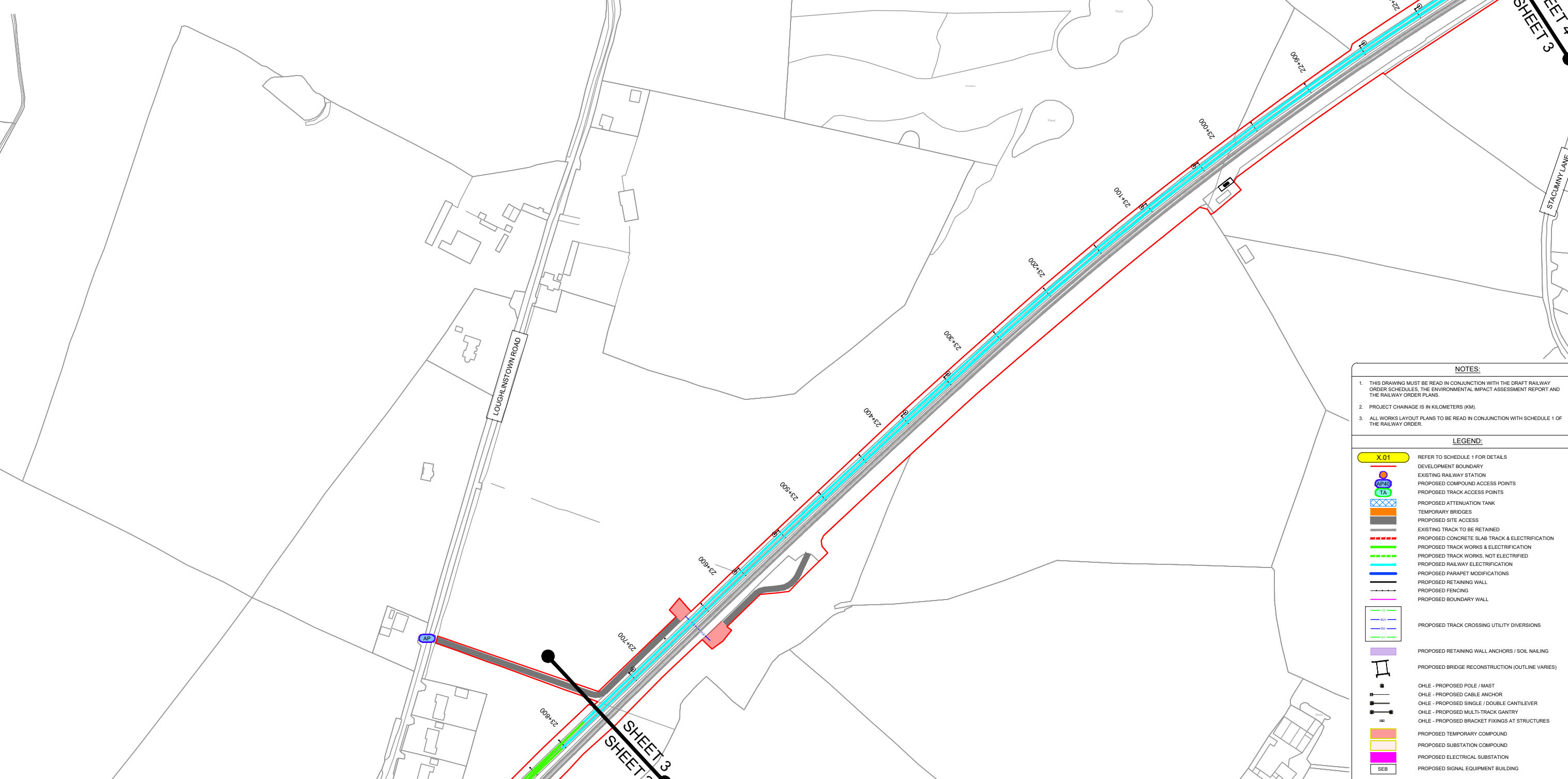
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Version: v01 Status: S3

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TYPICAL OHL SECTION



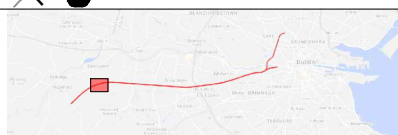
NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT 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 COMPOUND ACCESS POINTS
- PROPOSED TRACK ACCESS POINTS
- PROPOSED ATTENUATION TANK
- TEMPORARY BRIDGES
- TEMPORARY 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 MULTI-TRACK GANTRY
- OHL - 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**

Engineering Designer: **ATKINS**

Drawn: DMG, Checked: JP, Approved: CS

Date: 29.09.22, Scale: 1:1250 @ A0, N.T.S. @ A3

Project Code: 5199586, Issuer: TTA, QMS Code: ---

Project Title: **DART+ SOUTH WEST**

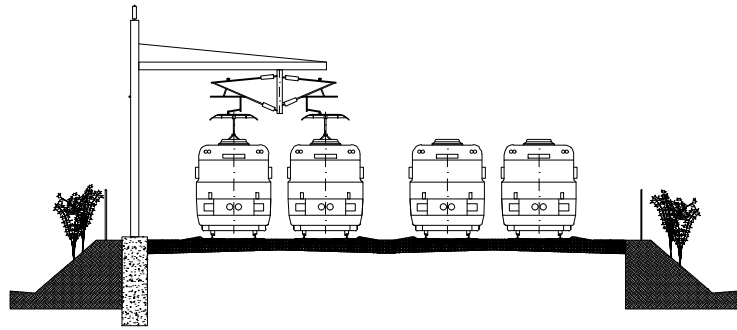
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 3 OF 17**

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

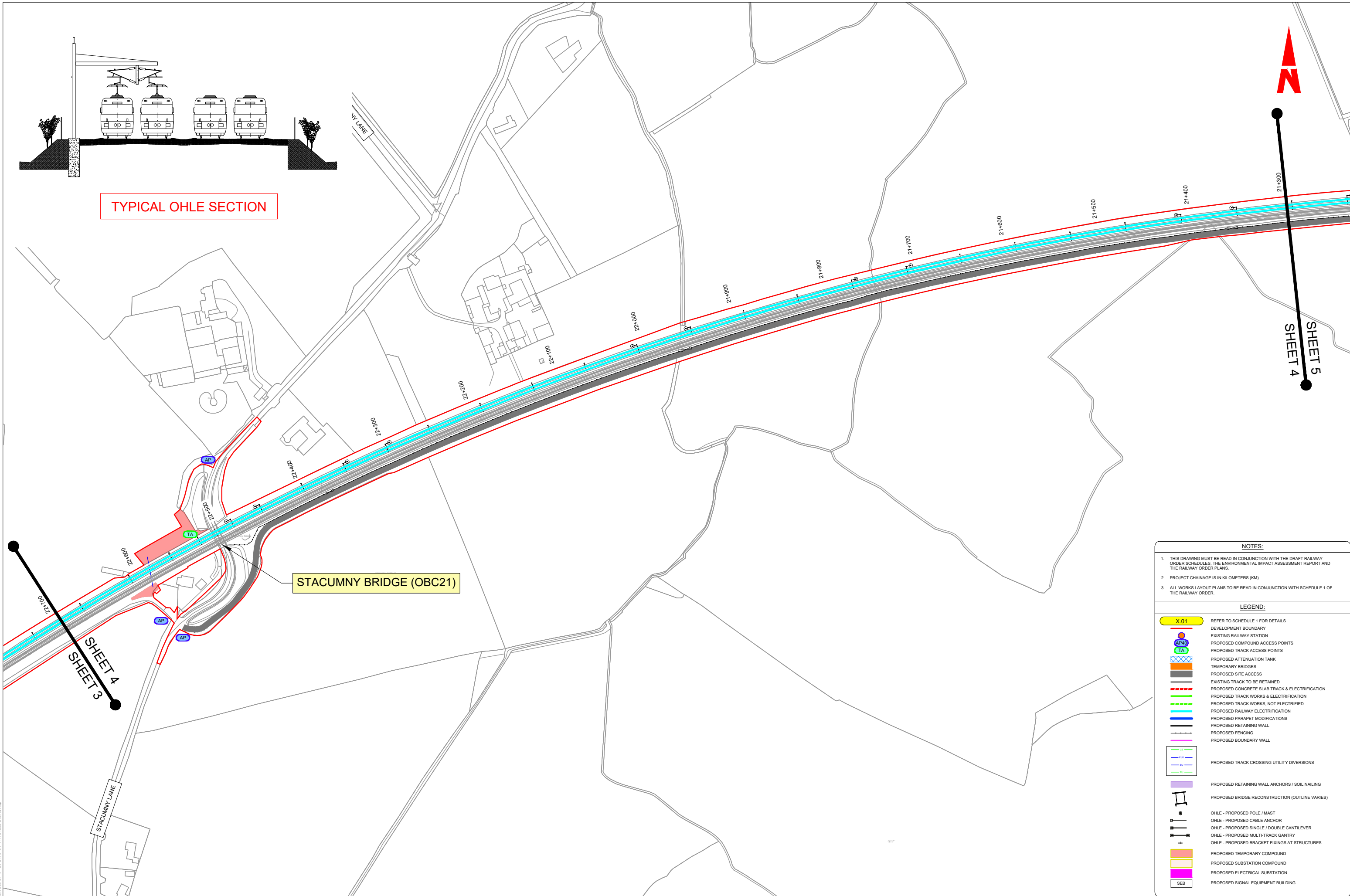
Version: V01, Status: S3

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TYPICAL OHE SECTION



NOTES:

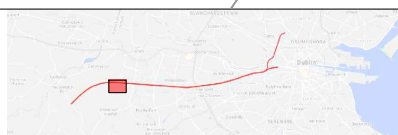
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
- PROJECT CHAINAGE IS IN KILOMETERS (KM).
- ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

- X.01 REFER TO SCHEDULE 1 FOR DETAILS
- DEVELOPMENT BOUNDARY
- EXISTING RAILWAY STATION
- PROPOSED 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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- 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)
- OHE - PROPOSED POLE / MAST
- OHE - PROPOSED CABLE ANCHOR
- OHE - PROPOSED SINGLE / DOUBLE CANTILEVER
- OHE - PROPOSED MULTI-TRACK GANTRY
- OHE - PROPOSED BRACKET FIXINGS AT STRUCTURES
- PROPOSED TEMPORARY COMPOUND
- PROPOSED SUBSTATION COMPOUND
- PROPOSED ELECTRICAL SUBSTATION
- PROPOSED SIGNAL EQUIPMENT BUILDING

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Rev	Date	Dr	Chkd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

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

Engineering Designer: **ATKINS** / **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

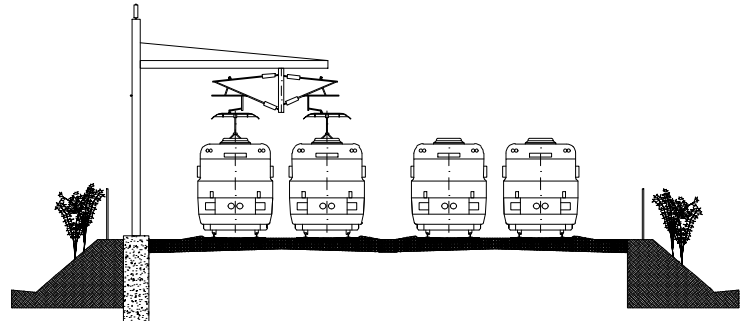
Project Code: 51956568 Issuer: TTA QMS Code: ---

Project Title: **DART+ SOUTH WEST**

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

Drawing File Name: DP-04-23-DWG-CV-TTA-21265 Version: v01 Status: S3

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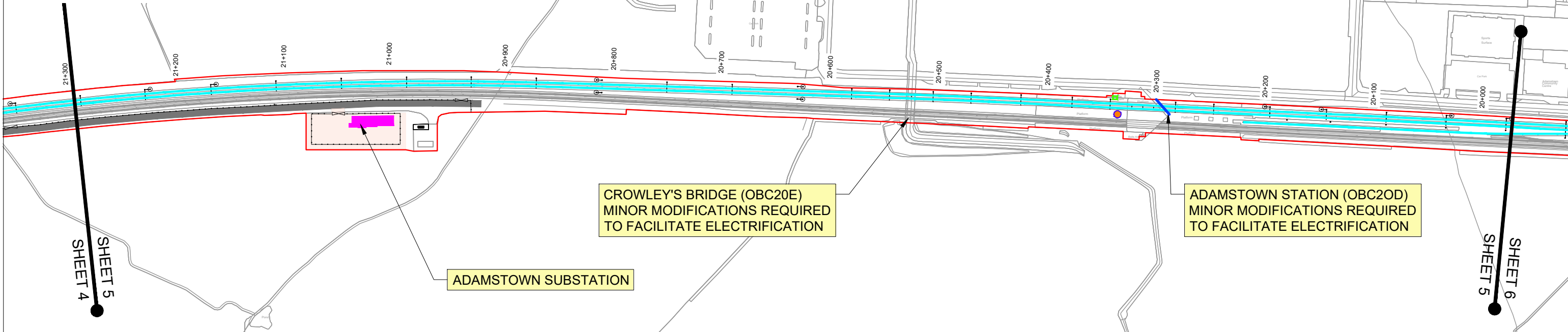


TYPICAL OHLE SECTION



ADAMSTOWN

ADAMSTOWN AVE



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

ADAMSTOWN STATION (OBC20D)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

ADAMSTOWN SUBSTATION

SHEET 5
SHEET 4

SHEET 6
SHEET 5

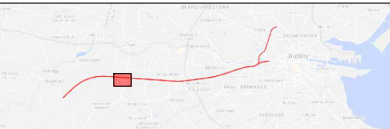
NOTES:

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 CHAINAGE 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
	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, 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 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: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Supported by: **rps**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 5199586 Issuer: TTA QMS Code: ---

Drawn: DMC Checked: JP Approved: CS

Project Title: **DART+ SOUTH WEST**

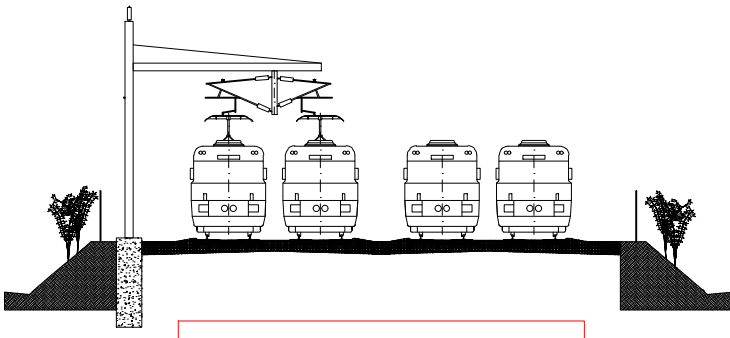
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 5 OF 17**

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

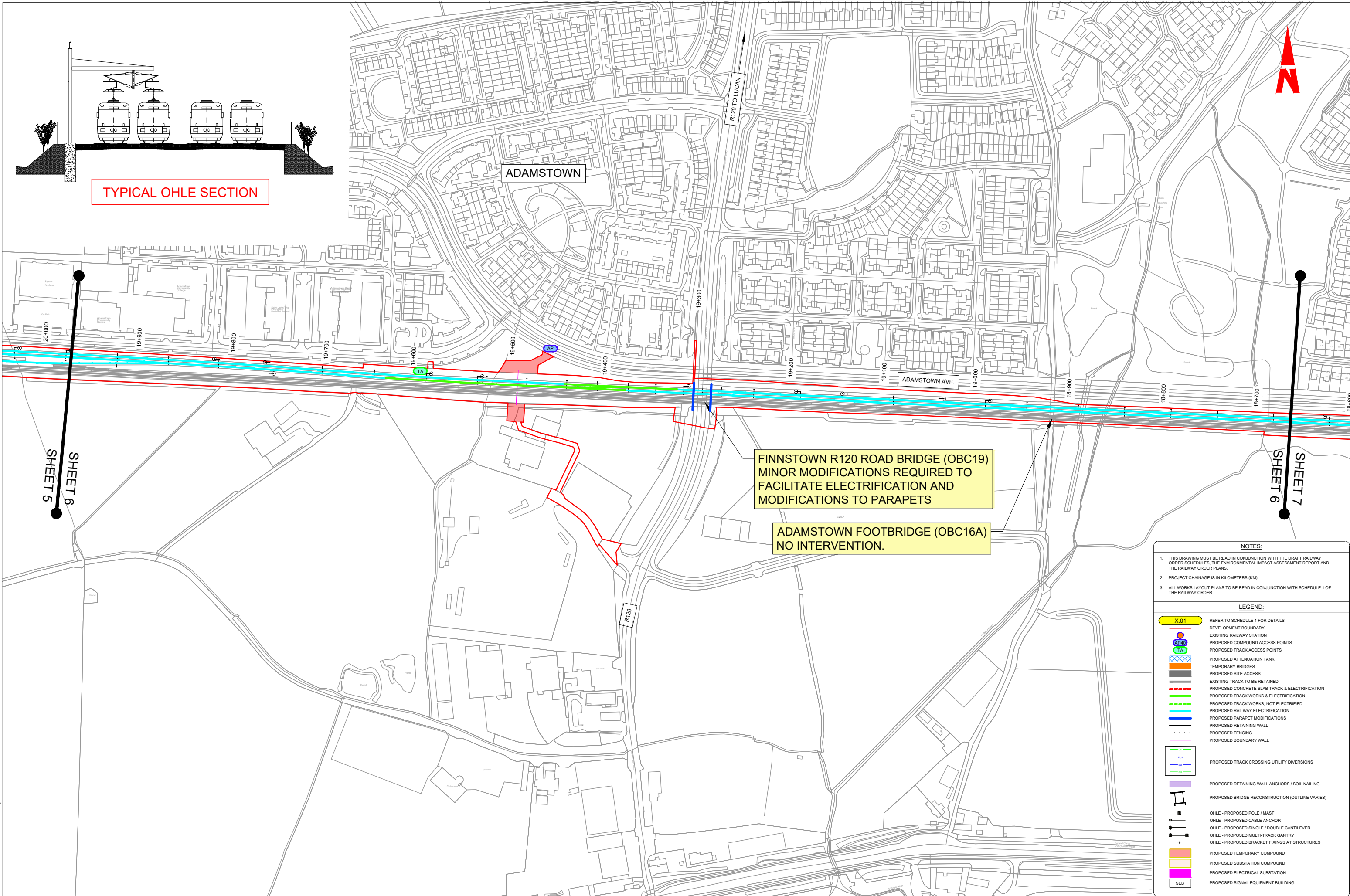
Version: v01 Status: S3

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TYPICAL OHLE SECTION



ADAMSTOWN

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

ADAMSTOWN FOOTBRIDGE (OBC16A)
NO INTERVENTION.

SHEET 5

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 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 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 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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Rev	Date	Dm	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 5199586 Issuer: TTA DMS Code: ---

Project Title: **DART+ SOUTH WEST**

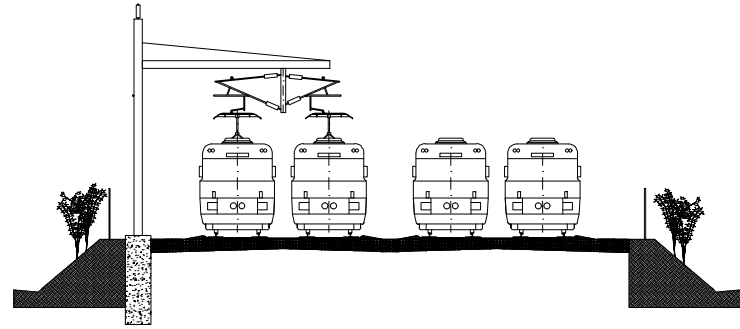
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 6 OF 17**

Drawing File Name: DP-04-23-DWG-CV-TTA-21267

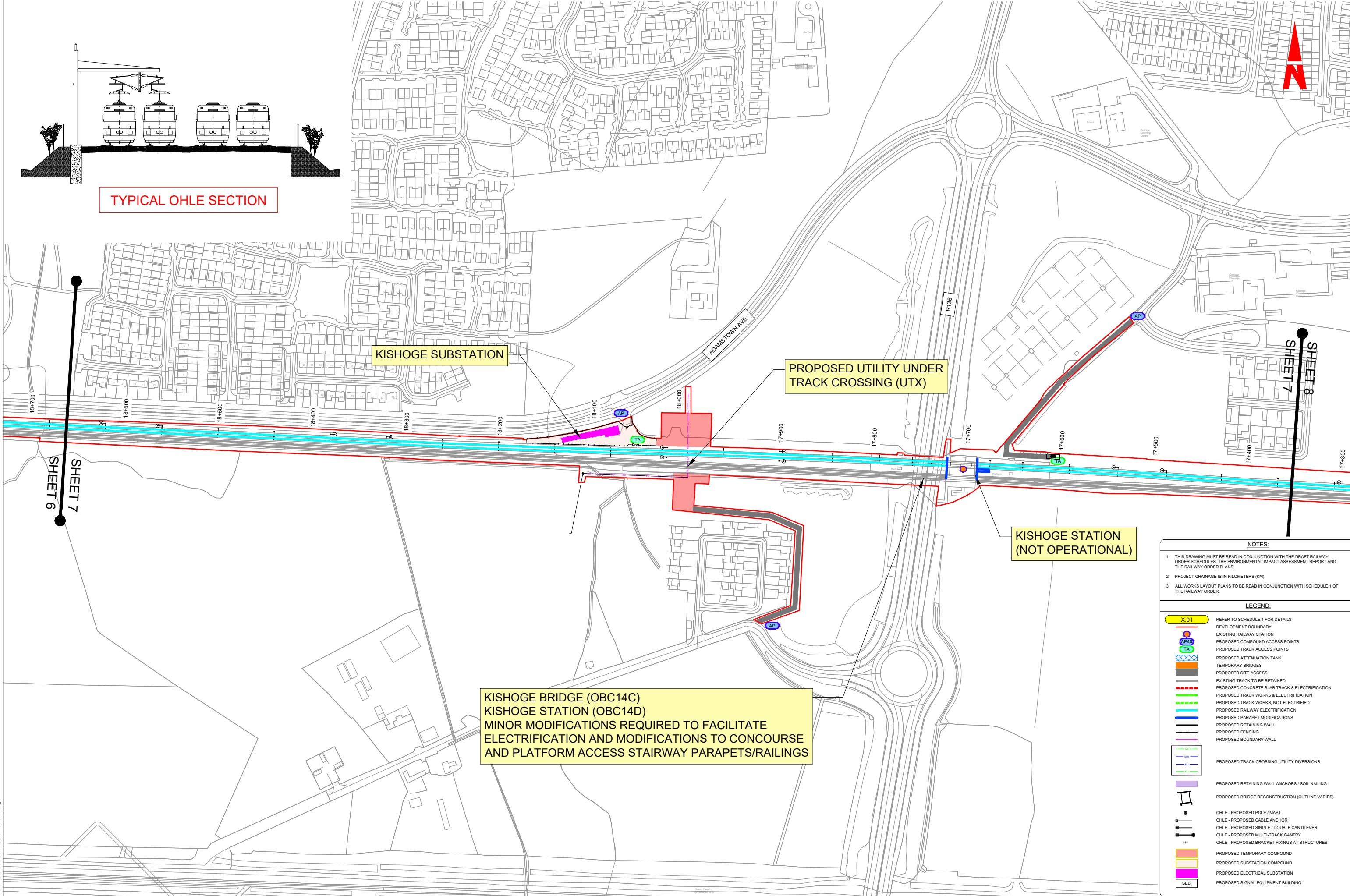
Version: v01 Status: S3

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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

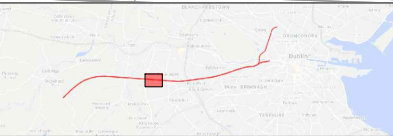
- NOTES:**
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE DRAFT RAILWAY ORDER SCHEDULES, THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT AND THE RAILWAY ORDER PLANS.
 - PROJECT CHAINAGE IS IN KILOMETERS (KM).
 - ALL WORKS LAYOUT PLANS TO BE READ IN CONJUNCTION WITH SCHEDULE 1 OF THE RAILWAY ORDER.

LEGEND:

	X.01 REFER TO SCHEDULE 1 FOR DETAILS
	DEVELOPMENT BOUNDARY
	EXISTING RAILWAY STATION
	PROPOSED 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 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 in metres and relate to OSi Geoid Model (OSG2002) Mean 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 (TLTG).



Rev	Date	Dm	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 5195686 Issuer: TTA DMS Code: ---

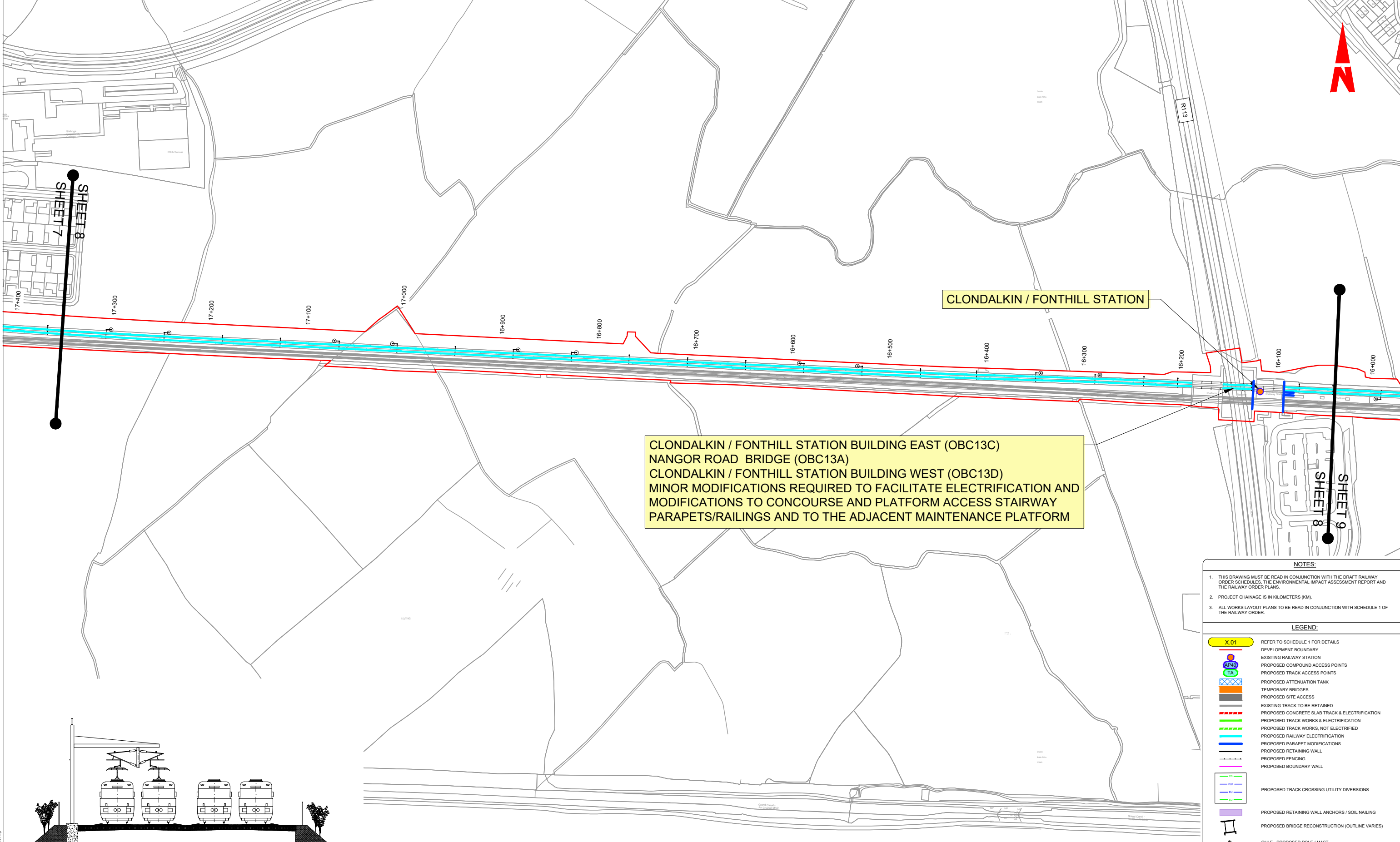
Project Title: **DART+ SOUTH WEST**

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

Drawing File Name: DP-04-23-DWG-CV-TTA-21268

Version: v01 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



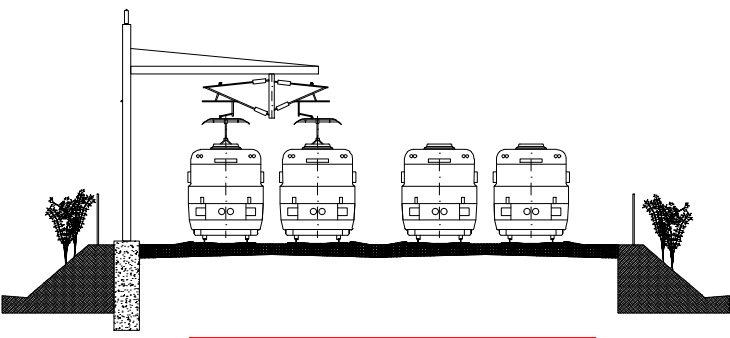
CLONDALKIN / FONTHILL STATION BUILDING EAST (OBC13C)
 NANGOR ROAD BRIDGE (OBC13A)
 CLONDALKIN / FONTHILL STATION BUILDING WEST (OBC13D)
 MINOR MODIFICATIONS REQUIRED TO FACILITATE ELECTRIFICATION AND
 MODIFICATIONS TO CONCOURSE AND PLATFORM ACCESS STAIRWAY
 PARAPETS/RAILINGS AND TO THE ADJACENT MAINTENANCE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

SHEET 7
 SHEET 8

SHEET 8
 SHEET 9

- 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 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 Multi-Track Gantry
 - OHLE - Proposed Bracket Fixings at Structures
 - Proposed Temporary Compound
 - Proposed Substation Compound
 - Proposed Electrical Substation
 - Proposed Signal Equipment Building



TYPICAL OHLE SECTION

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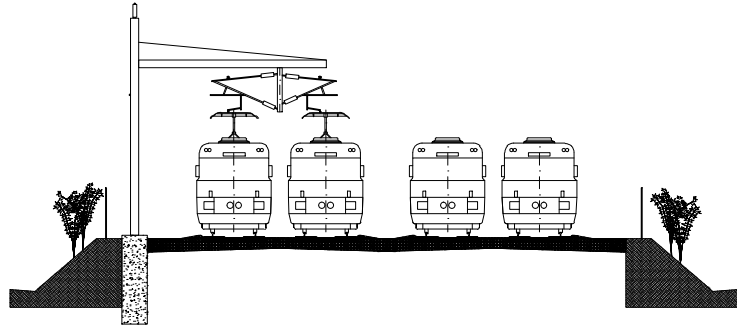


Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

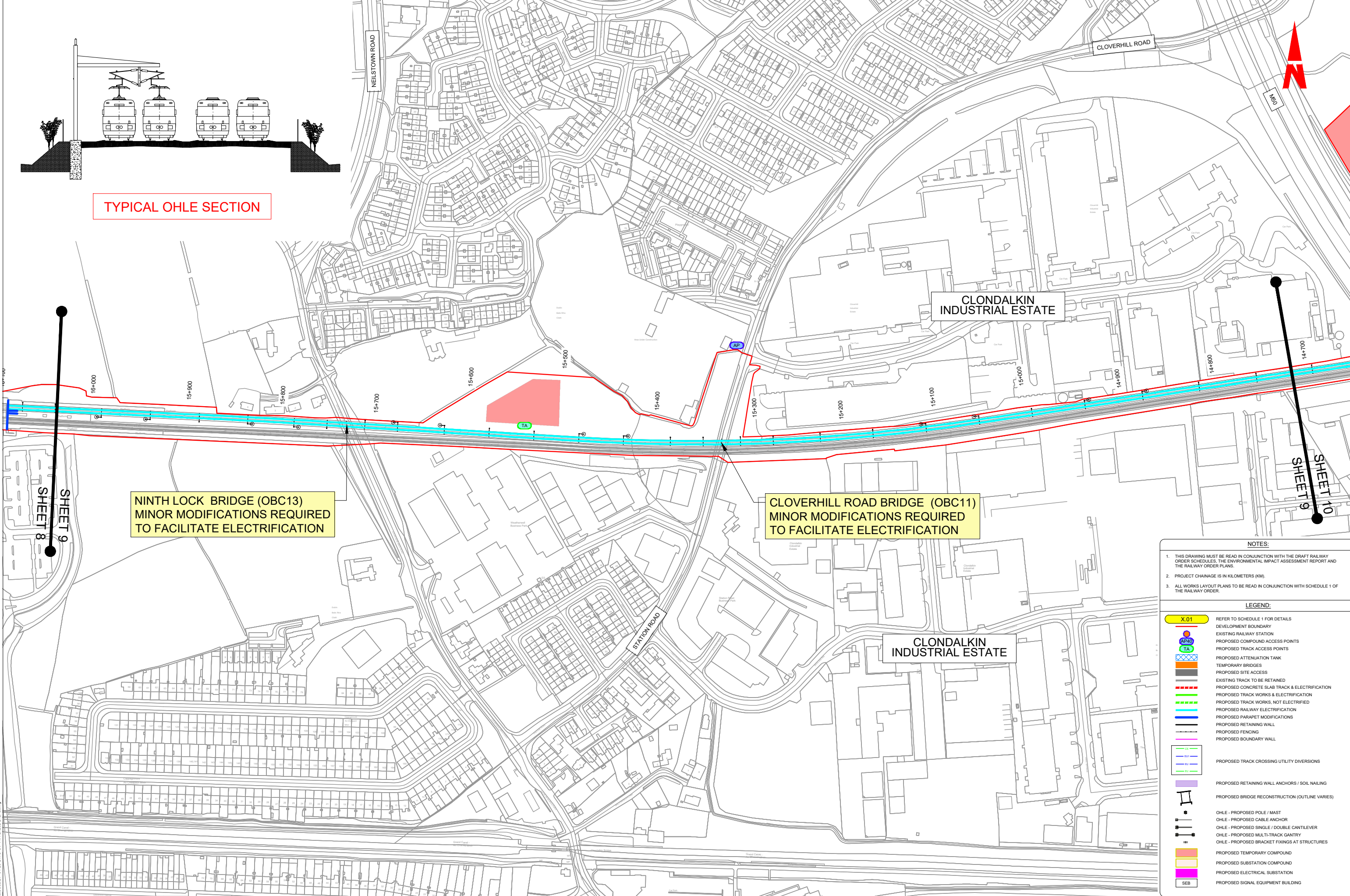
Client: **Irish Rail**
 Engineering Designer: **ATKINS**
 Date: 29.09.22 Scale: 1:1250 @ A0
 Project Code: 5199586 Issuer: TTA QMS Code: ---

Project Title: **DART+ SOUTH WEST**
 Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 8 OF 17**
 Drawing File Name: DP-04-23-DWG-CV-TTA-21269 Version: v01 Status: S3

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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 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 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 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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Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 Drawn: DMC Checked: JP Approved: CS

Project Code: 5199586 Issuer: TTA QMS Code: ---

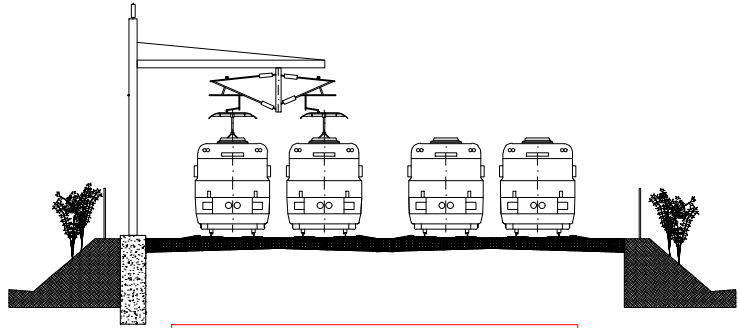
Project Title: **DART+ SOUTH WEST**

Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 9 OF 17**

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

Version: v01 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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

SHEET 11
 SHEET 10

SHEET 10
 SHEET 9

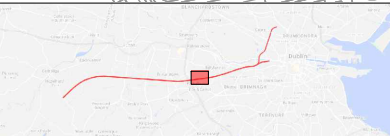
NOTES:

- 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 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 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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Rev	Date	Dm	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Scale: 1:1250 @ A0
 N.T.S. @ A3

Date: 29.09.22

Project Code: S199586

Issue: TTA

QMS Code: ---

Drawn: DMC
 Checked: JP
 Approved: CS

Project Title: **DART+ SOUTH WEST**

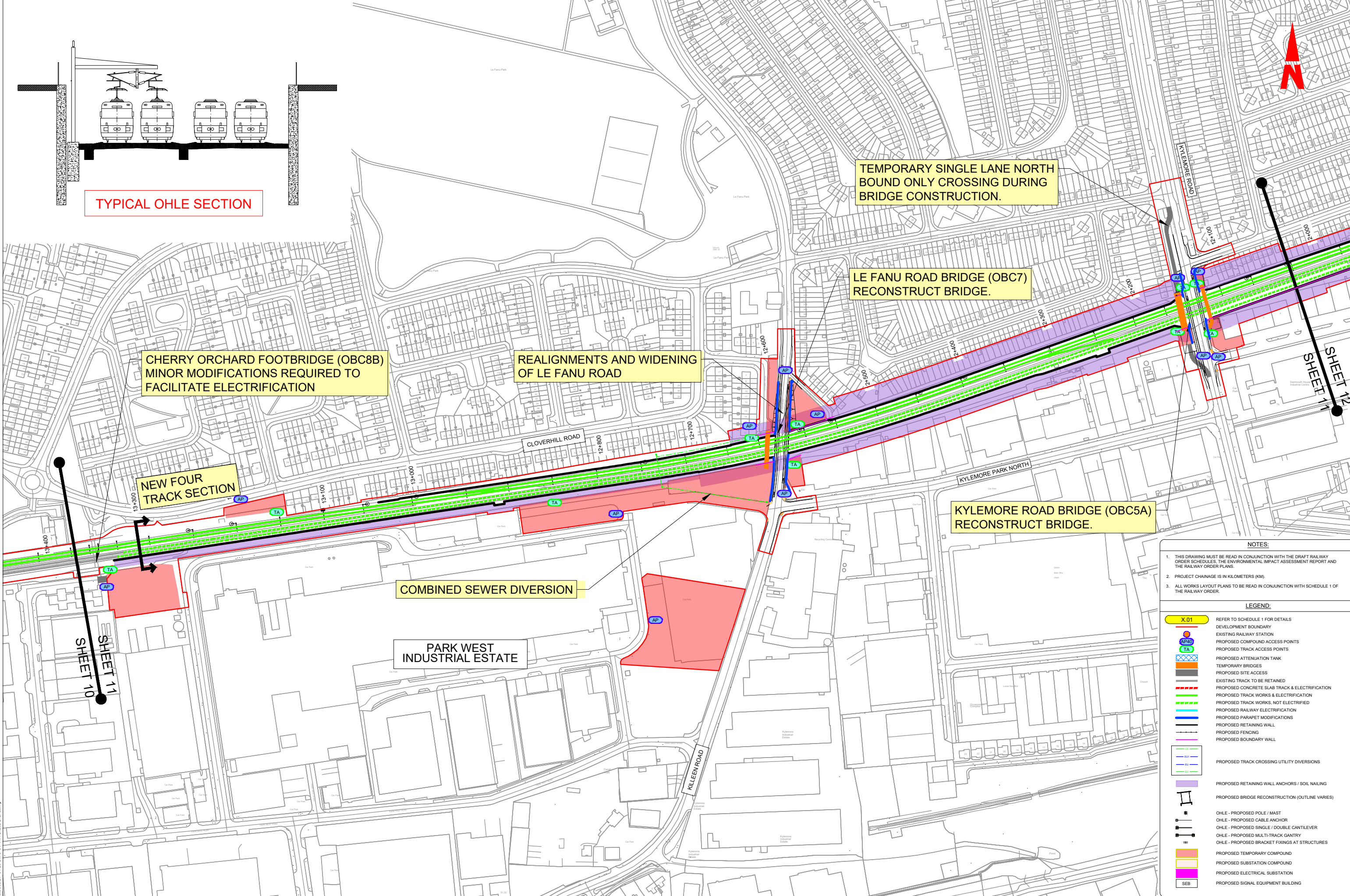
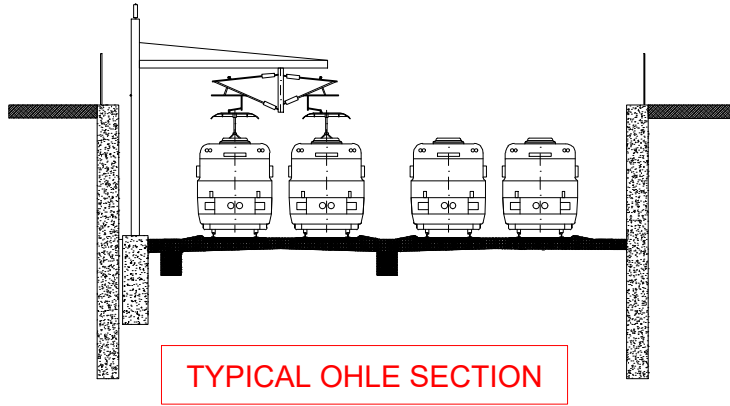
Drawing Title: **GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 10 OF 17**

Drawing File Name: DP-04-23-DWG-CV-TTA-21271

Version: v01

Status: S3

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- 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 CHAINAGE 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
	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 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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Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 5199586 Issuer: TTA QMS Code: ---

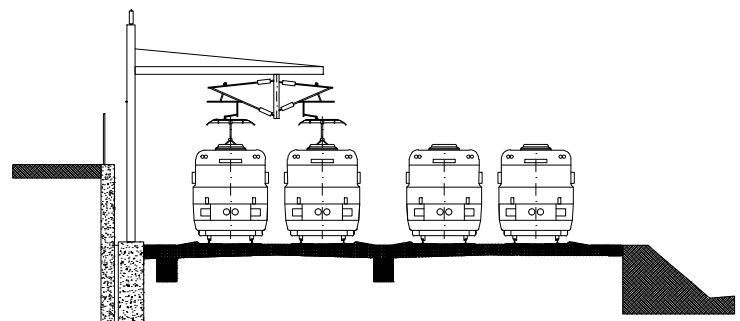
Project Title: **DART+ SOUTH WEST**

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

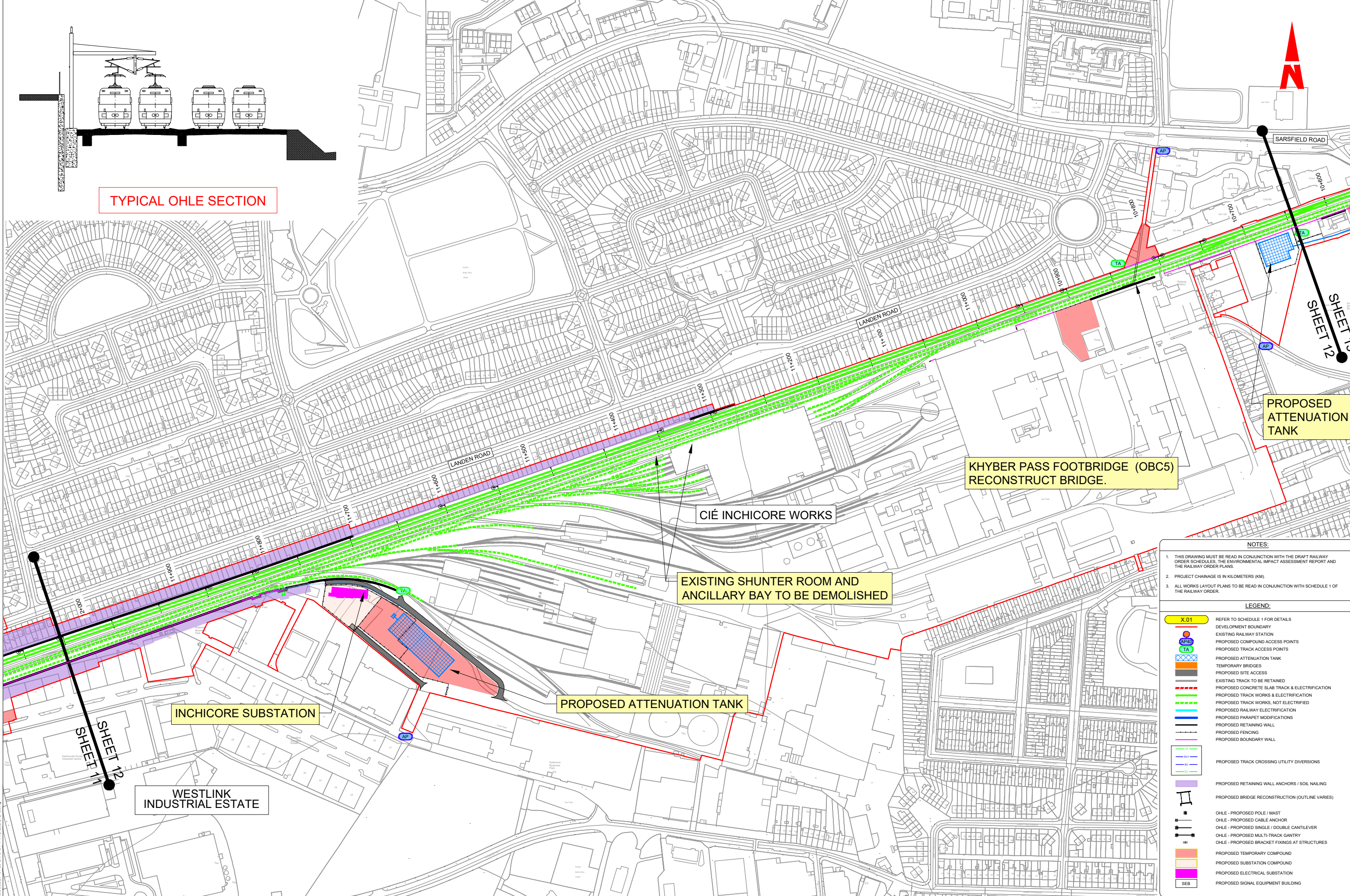
Drawing File Name: DP-04-23-DWG-CV-TTA-21272

Version: v01 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL OHLE SECTION



PROPOSED ATTENUATION TANK

KHYBER PASS FOOTBRIDGE (OBC5) RECONSTRUCT BRIDGE.

CIÉ INCHICORE WORKS

EXISTING SHUNTER ROOM AND ANCILLARY BAY TO BE DEMOLISHED

PROPOSED ATTENUATION TANK

INCHICORE SUBSTATION

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
[Red outline]	DEVELOPMENT BOUNDARY
[Blue circle]	EXISTING RAILWAY STATION
[Blue circle]	PROPOSED COMPOUND ACCESS POINTS
[Green circle]	PROPOSED TRACK ACCESS POINTS
[Blue square]	PROPOSED ATTENUATION TANK
[Orange square]	TEMPORARY BRIDGES
[Black line]	PROPOSED SITE ACCESS
[Red dashed line]	EXISTING TRACK TO BE RETAINED
[Red dashed line]	PROPOSED CONCRETE SLAB TRACK & ELECTRIFICATION
[Green dashed line]	PROPOSED TRACK WORKS & ELECTRIFICATION
[Green dashed line]	PROPOSED TRACK WORKS, NOT ELECTRIFIED
[Blue dashed line]	PROPOSED RAILWAY ELECTRIFICATION
[Blue dashed line]	PROPOSED PARAPET MODIFICATIONS
[Black line]	PROPOSED RETAINING WALL
[Black line]	PROPOSED FENCING
[Black line]	PROPOSED BOUNDARY WALL
[Green line]	PROPOSED TRACK CROSSING UTILITY DIVERSIONS
[Purple line]	PROPOSED RETAINING WALL ANCHORS / SOIL NAILING
[Black line]	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)
[Black line]	OHLE - PROPOSED POLE / MAST
[Black line]	OHLE - PROPOSED CABLE ANCHOR
[Black line]	OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
[Black line]	OHLE - PROPOSED MULTI-TRACK GANTRY
[Black line]	OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
[Orange square]	PROPOSED TEMPORARY COMPOUND
[Yellow square]	PROPOSED SUBSTATION COMPOUND
[Purple square]	PROPOSED ELECTRICAL SUBSTATION
[Black square]	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: **Iarnród Éireann Irish Rail**

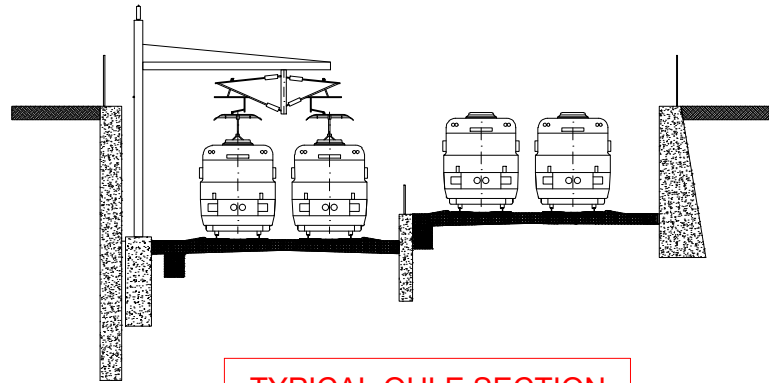
Engineering Designer: **ATKINS**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

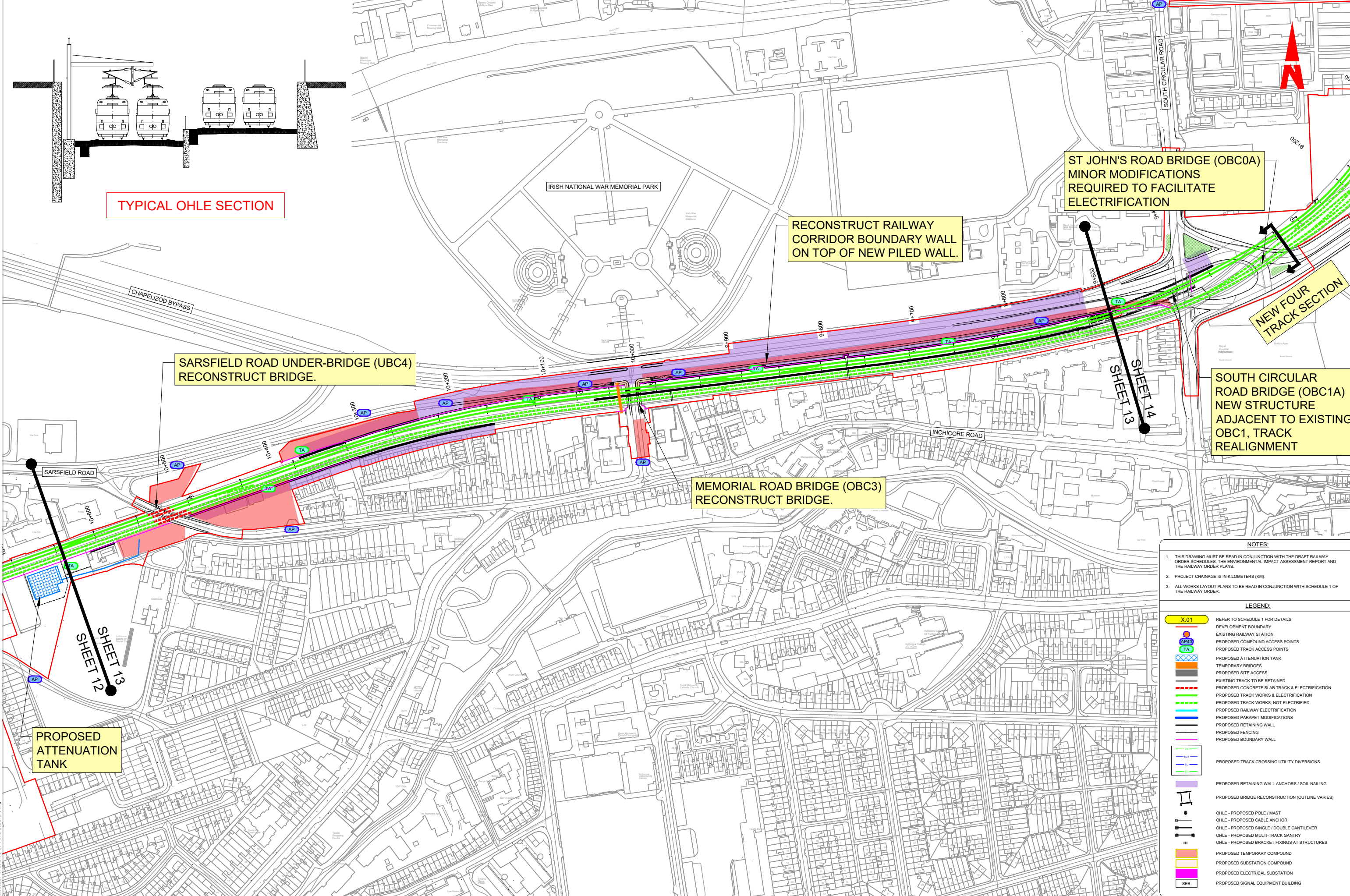
Project Code: 199586 Issuer: TTA DMS Code: ---

Project Title	DART+ SOUTH WEST		
Drawing Title	GENERAL DESIGN PROJECT SCHEMATIC LAYOUT SHEET 12 OF 17		
Drawing File Name	DP-04-23-DWG-CV-TTA-21273	Version	v01
Status	S3		

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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

NEW FOUR
TRACK SECTION

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 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 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 MULTI-TRACK GANTRY
[Symbol]	OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
[Symbol]	PROPOSED TEMPORARY COMPOUND
[Symbol]	PROPOSED SUBSTATION COMPOUND
[Symbol]	PROPOSED ELECTRICAL SUBSTATION
[Symbol]	PROPOSED SIGNAL EQUIPMENT BUILDING

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Rev	Date	Dm	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Date: 28.09.22 Scale: 1:1250 @ A0
N.T.S. @ A3

Project Code: 5199586

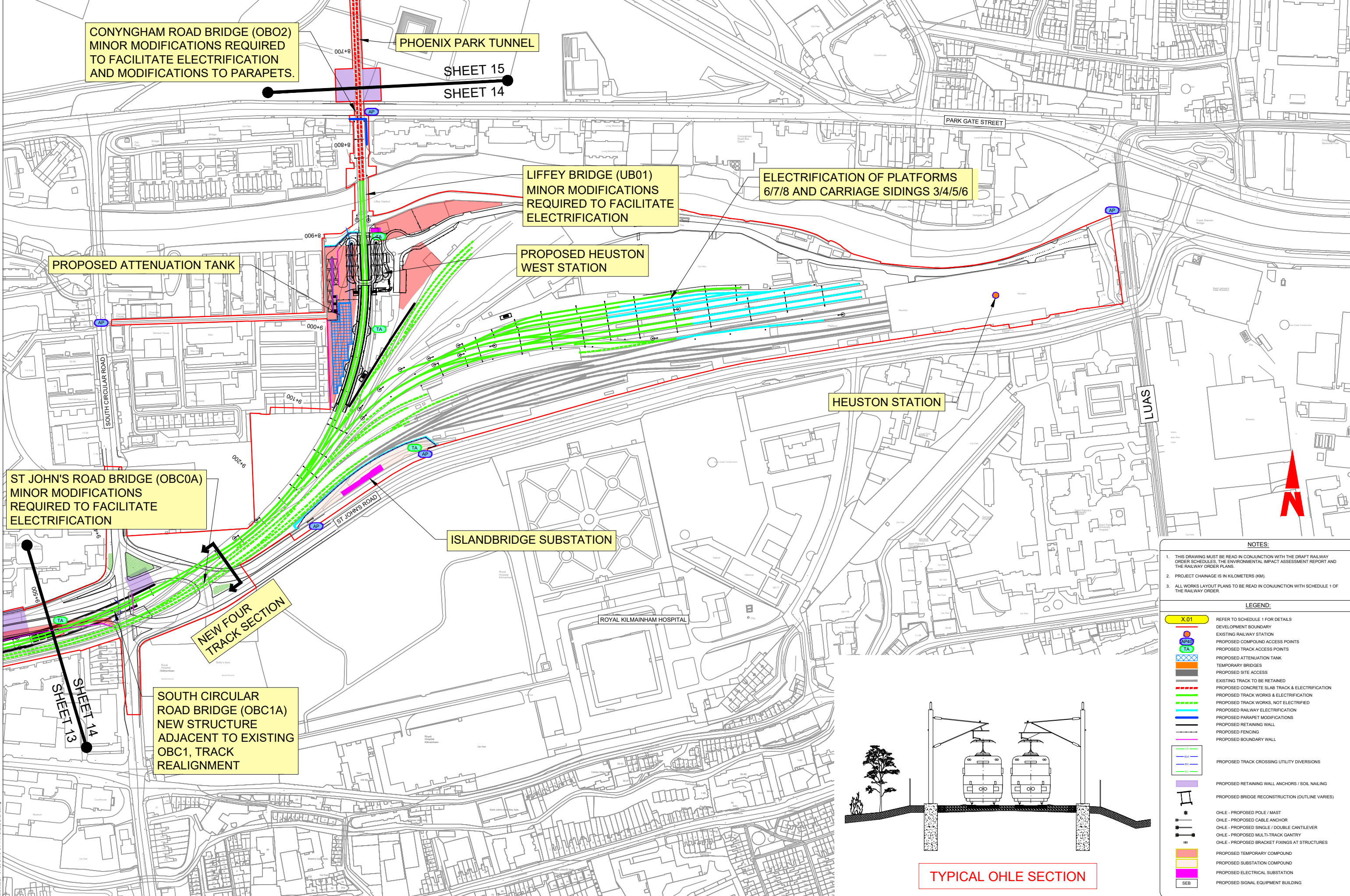
Project Title: **DART+ SOUTH WEST**

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

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

Version: v01 Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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

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

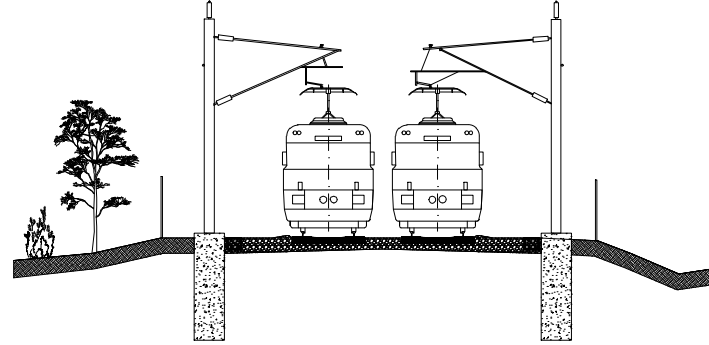
ISLANDBRIDGE SUBSTATION

NEW FOUR
TRACK SECTION

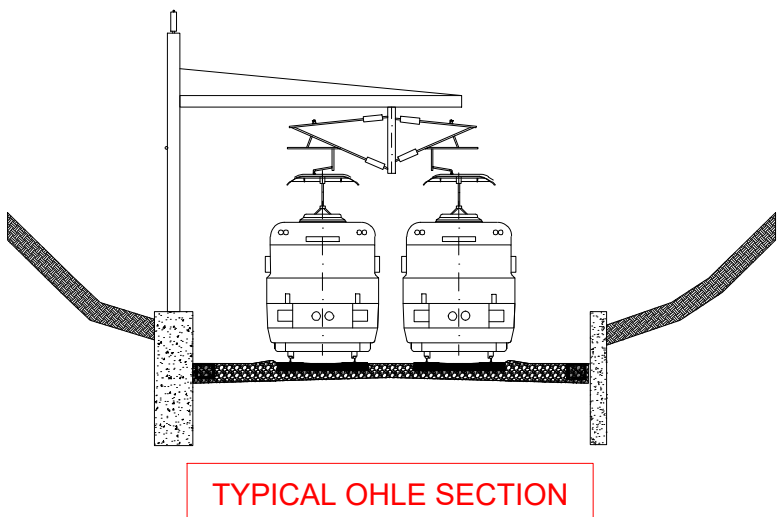
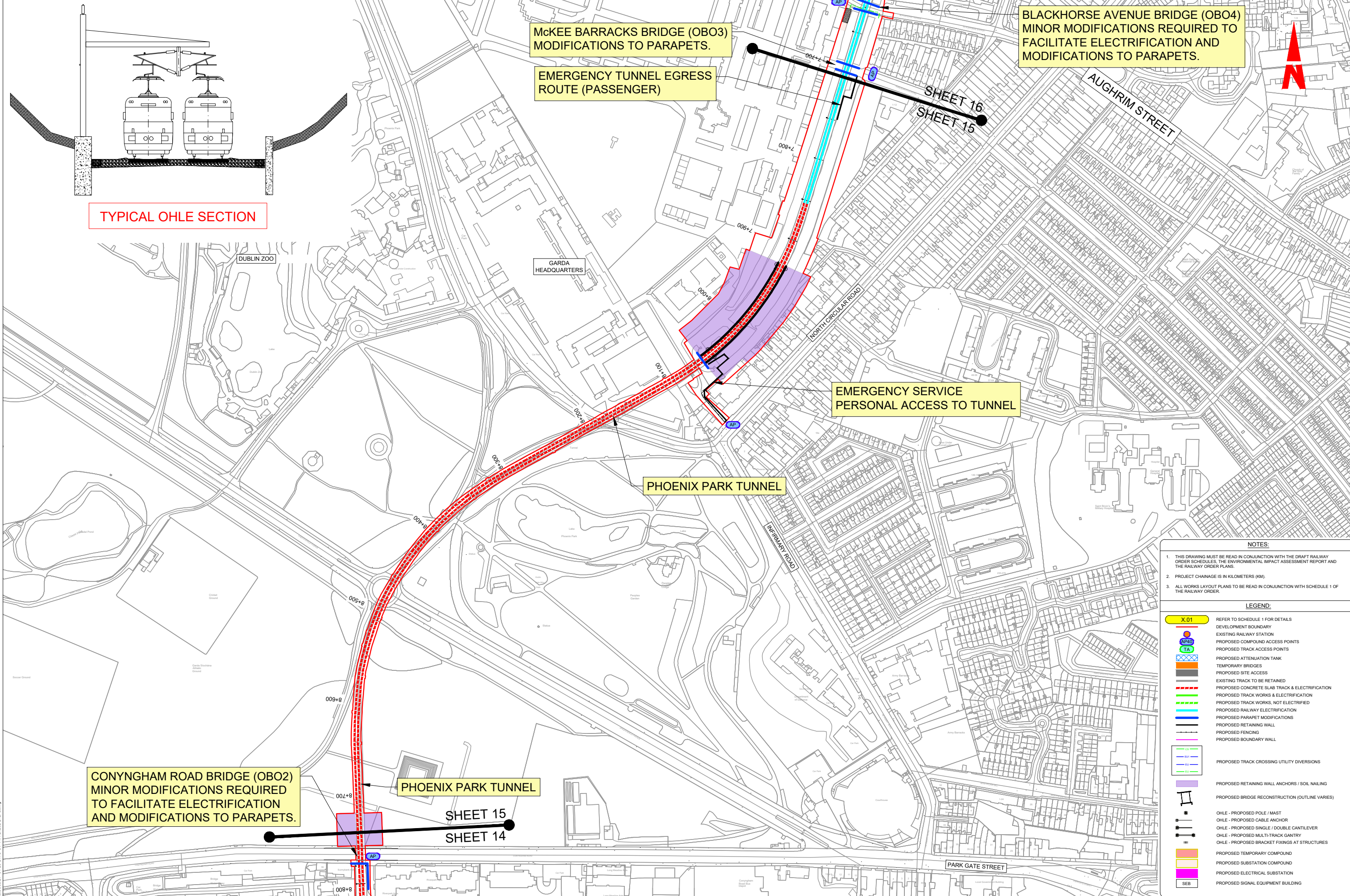
SOUTH CIRCULAR
ROAD BRIDGE (OBC1A)
NEW STRUCTURE
ADJACENT TO EXISTING
OBC1, TRACK
REALIGNMENT

- 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 CHAINAGE 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
 - 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 Multi-track Gantry
 - OHLE - Proposed Bracket Fixings at Structures
 - Proposed Temporary Compound
 - Proposed Substation Compound
 - Proposed Electrical Substation
 - Proposed Signal Equipment Building



TYPICAL OHLE SECTION



TYPICAL OHLE SECTION

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LEGEND:

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	DEVELOPMENT BOUNDARY
	EXISTING RAILWAY STATION
	EXISTING 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)
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	OHLE - PROPOSED SINGLE / DOUBLE CANTILEVER
	OHLE - PROPOSED MULTI-TRACK GANTRY
	OHLE - PROPOSED BRACKET FIXINGS AT STRUCTURES
	PROPOSED TEMPORARY COMPOUND
	PROPOSED SUBSTATION COMPOUND
	PROPOSED ELECTRICAL SUBSTATION
	PROPOSED SIGNAL EQUIPMENT BUILDING

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

EMERGENCY SERVICE
PERSONAL ACCESS TO TUNNEL

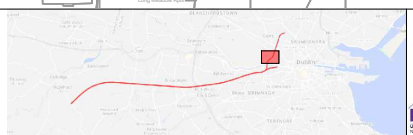
PHOENIX PARK TUNNEL

PHOENIX PARK TUNNEL

SHEET 15
SHEET 14

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Rev	Date	Dm	Chkd	App'd	Description
v01	10.11.22	DMP	JP	CS	PLANNING ISSUE

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

Engineering Designer: **ATKINS**

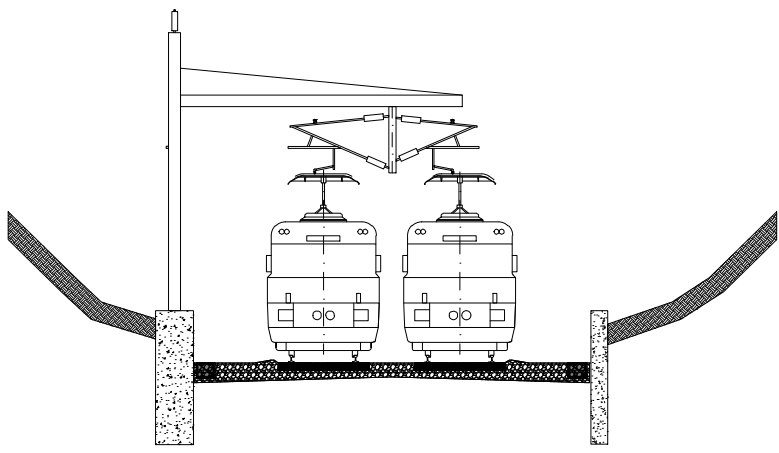
Date: 29.09.22 Scale: 1:1250 @ A0
N.T.S. @ A3

Project Code: 5199586 Issuer: TTA QMS Code: ---

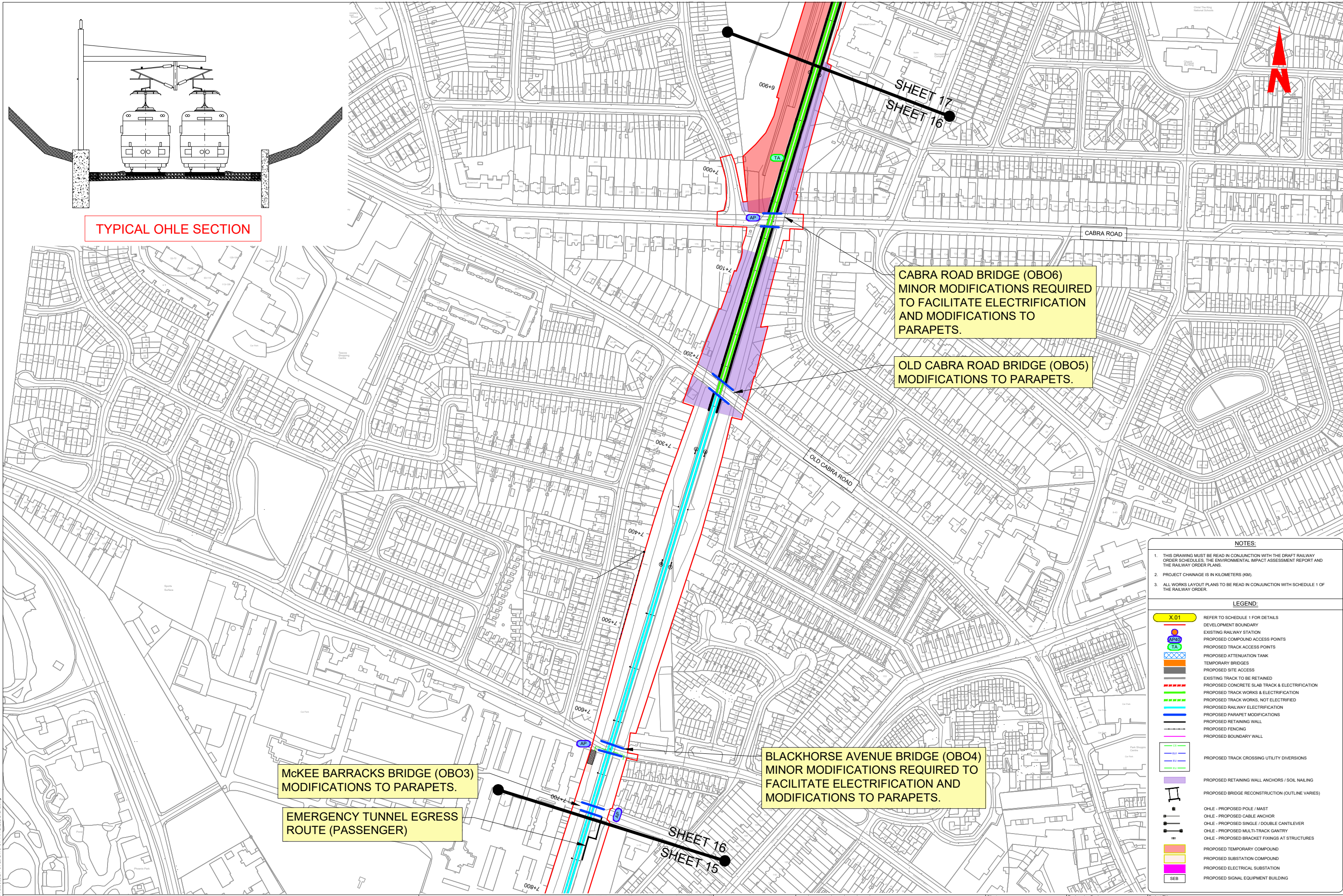
Drawn: DMC Checked: JP Approved: CS

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-21278
Version	v01
Status	53

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.

NOTES:

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LEGEND:

- X.01 REFER TO SCHEDULE 1 FOR DETAILS
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- 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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Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Supported by: **rps**

Date: 29.09.22 Scale: 1:1250 @ A0 N.T.S. @ A3

Project Code: 1199586 Issuer: TTA QMS Code: ---

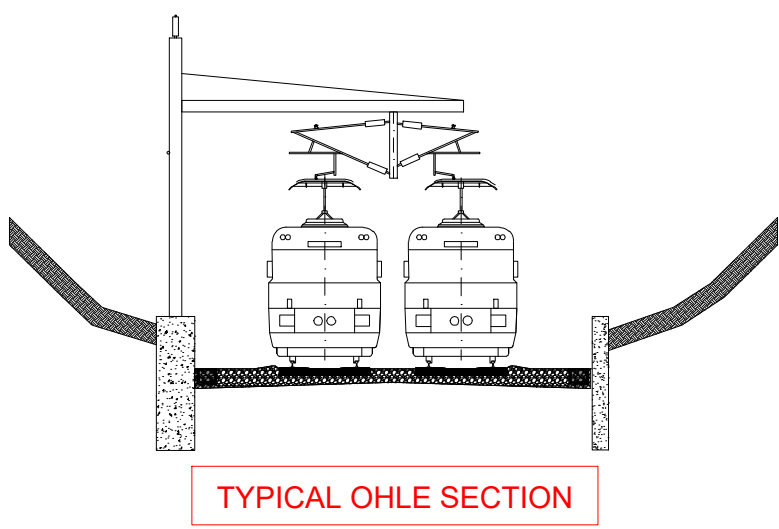
Project Title: **DART+ SOUTH WEST**

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

Drawing File Name: DP-04-23-DWG-CV-TTA-21277

Version: v01 Status: S3

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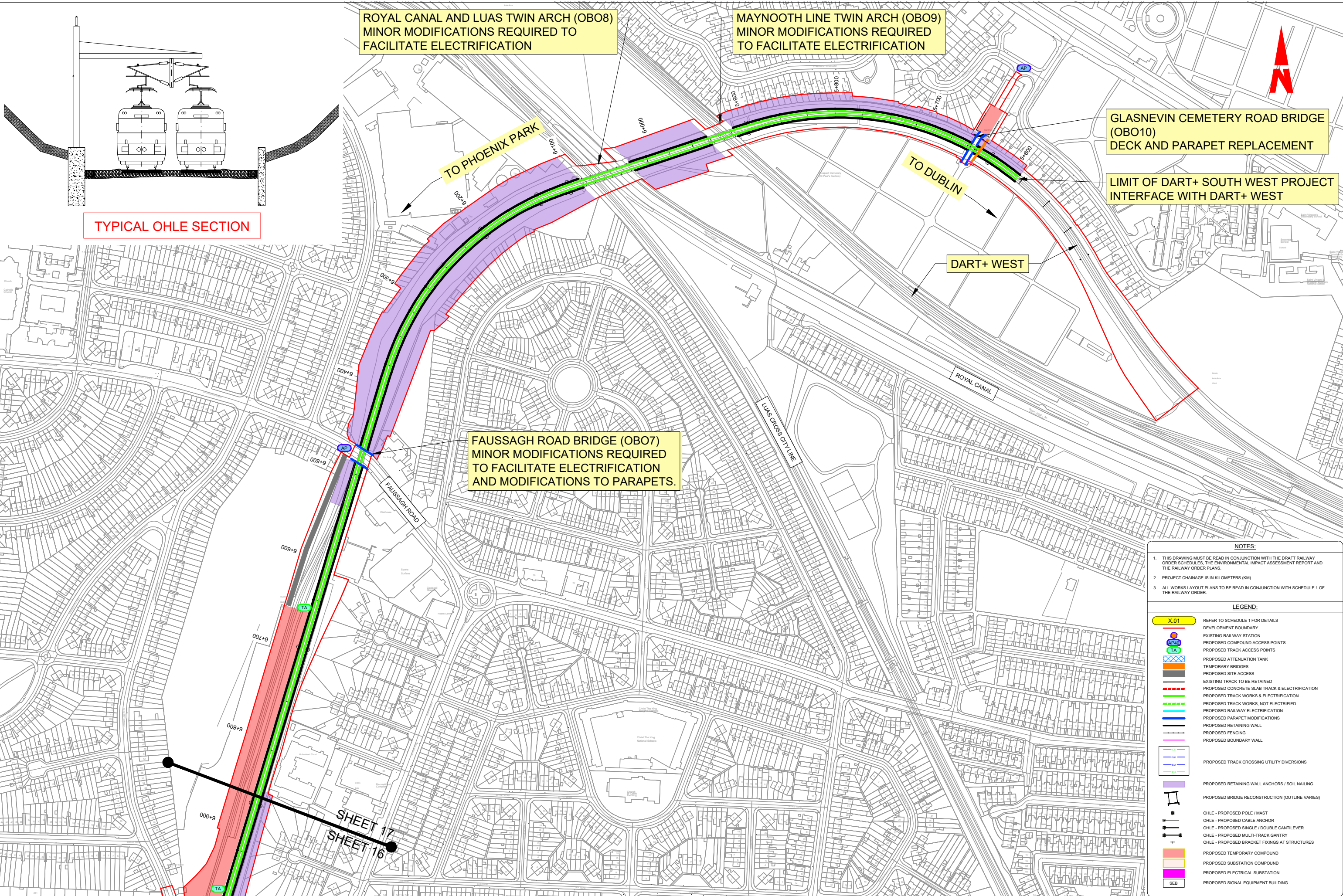
**ROYAL CANAL AND LUAS TWIN ARCH (OBO8)
MINOR MODIFICATIONS REQUIRED TO
FACILITATE ELECTRIFICATION**

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

**GLASNEVIN CEMETERY ROAD BRIDGE
(OBO10)
DECK AND PARAPET REPLACEMENT**

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

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

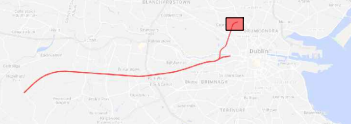


- NOTES:**
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- LEGEND:**
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SHEET 17
SHEET 16

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Rev	Date	Drn	Chkd	App'd	Description
V01	10.11.22	DMP	JP	CS	PLANNING ISSUE

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **ATKINS**

Scale: 1:1250 @ A0
N.T.S. @ A3

Date: 29.09.22

Project Code: 5199586

Issue: TTA

Drawn: DMC
Checked: JP
Approved: CS

Project Title: **DART+ SOUTH WEST**

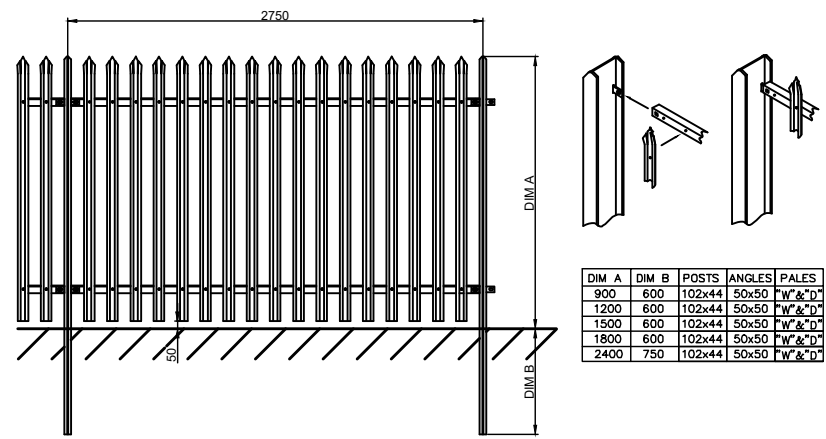
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Drawing File Name: DP-04-23-DWG-CV-TTA-21278

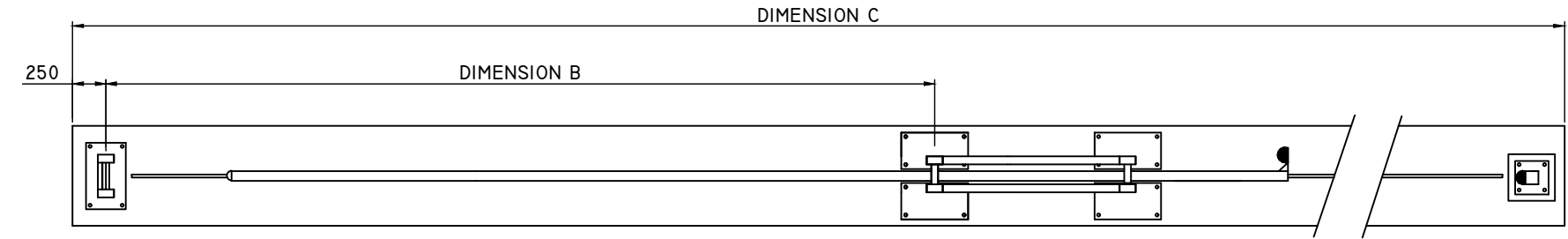
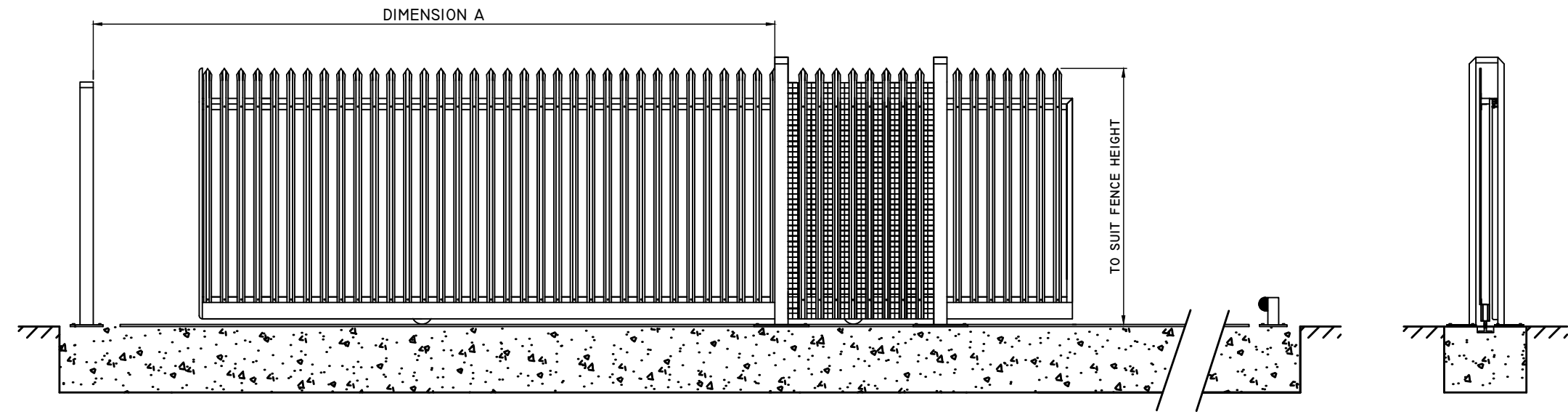
Version: v01

Status: S3

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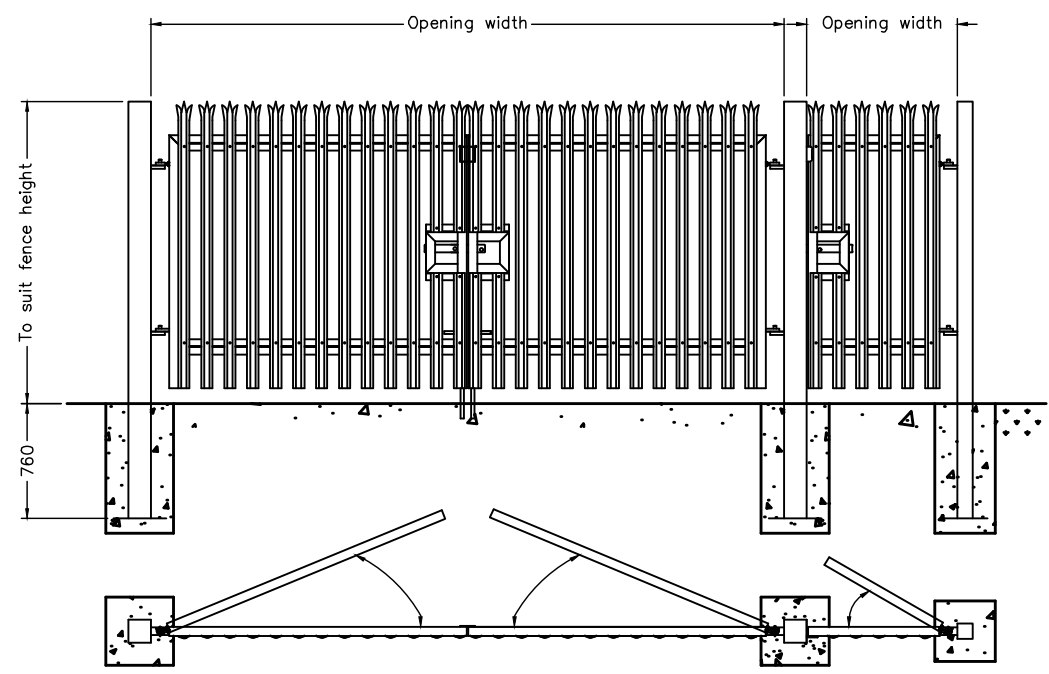


PROCTER FENCING SYSTEMS
PALISADE PANEL



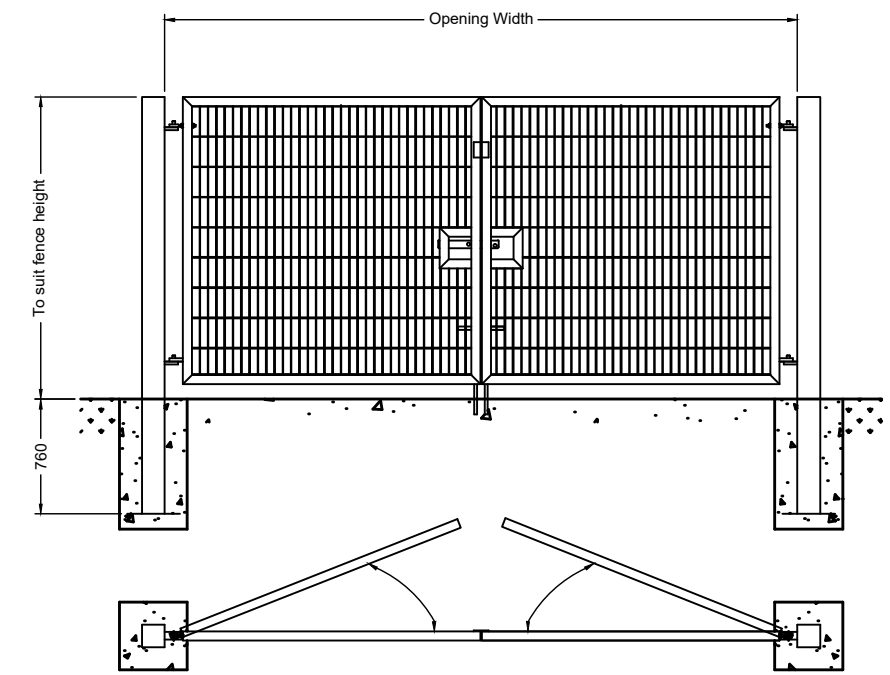
PROCTER SLIDING GATES
PRO-GLIDE SERIES 10
PALISADE TRACKED GATE

DIM A	DIM B	DIM C
3000	3100	7850
4000	4100	10100
5000	5120	12140
6000	6120	14290
7000	7150	16350
8000	8150	18750
9000	9150	20750
10000	10200	22850



PROCTER FENCING SYSTEMS
DOUBLE LEAF GATES AND
SINGLE LEAF-PALISADE

- Materials
- Posts 150x150x5 SHS
 - Frame 60x60x3 SHS
 - Sub Frame 50x50x5 RSA
 - Infill D Section Palisade Pale



PROCTER FENCING SYSTEMS
DOUBLE LEAF GATES-WELDED MESH

- Materials
- Posts 150x150x5 SHS
 - Frame 60x60x3 SHS
 - Infill 200x50x5 Mesh

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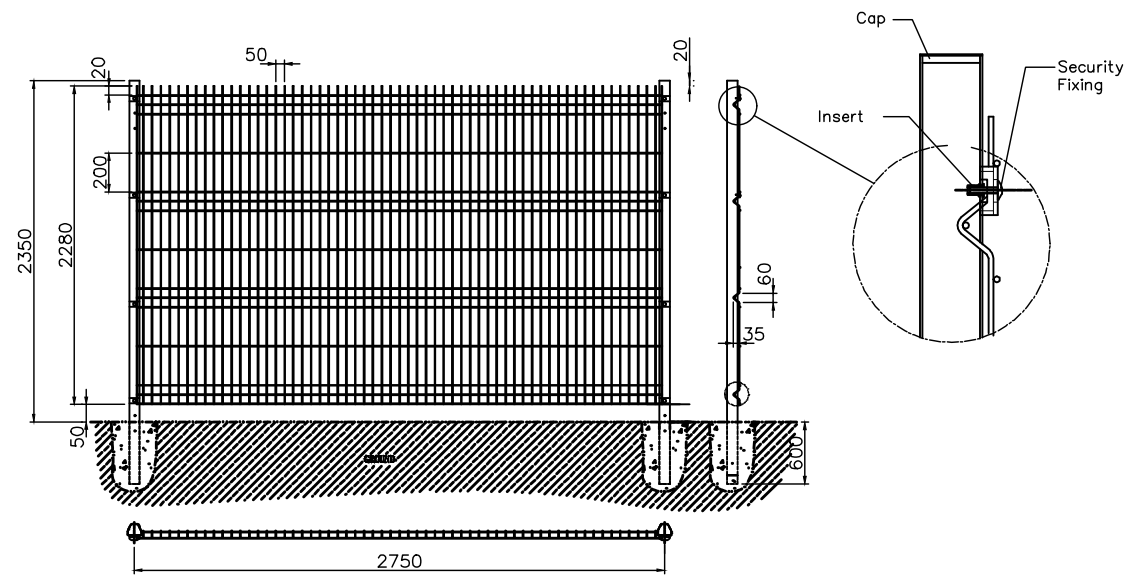


Rev	Date	Dm	Chk'd	App'd	Description
v01	10.11.22	RG	JX	JX	PLANNING ISSUE

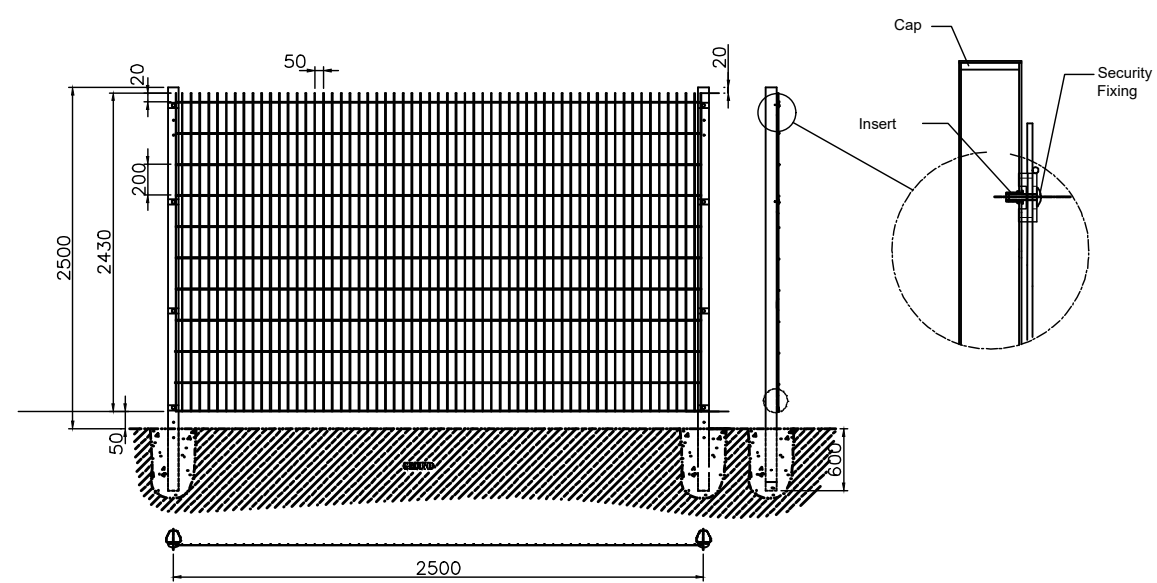
Client Iarnród Éireann Irish Rail		Engineering Designer ATKINS TYPSA Member of the SNC Lavalin Group Supported by rps	
Date 09.09.22	Scale 1:25 @ A1 1:50 @ A3	Drawn RG	Checked PC
Project Code 5199586	Issuer TTA	Approved PC	QMS Code

Project Title DART + SOUTH WEST	Drawing Title TYPICAL BOUNDARY TREATMENT SECTIONS SHEET 1
Drawing File Name DP-04-23-DWG-RO-TTA-18903	Version v01
Status S3	

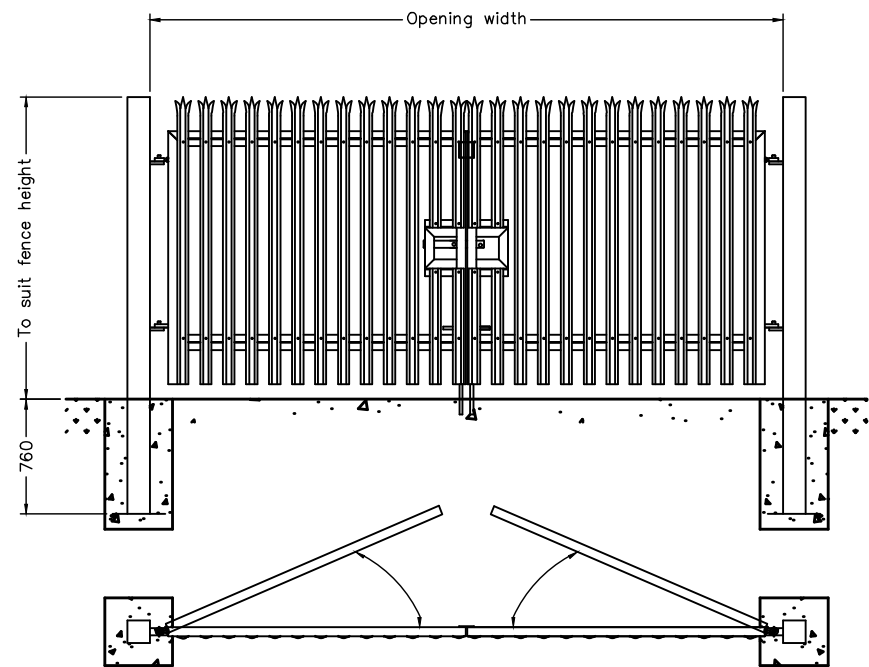
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PROCTER FENCING SYSTEMS
2.4M HIGH PRO-MESH PANEL SYSTEM

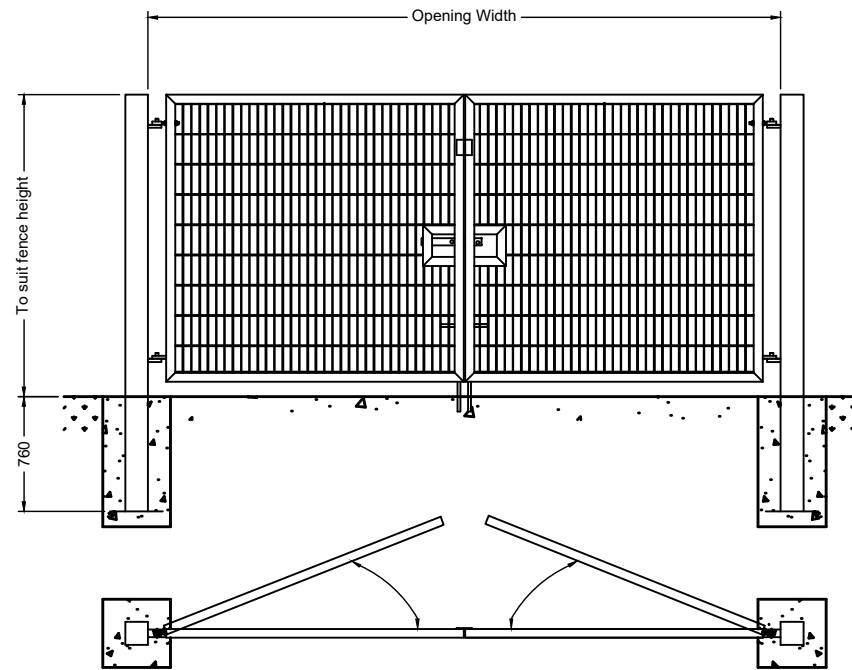


PROCTER FENCING SYSTEMS
2.4M TWIN WIRE



- Materials
- Posts 150x150x5 SHS
 - Frame 60x60x3 SHS
 - Sub Frame 50x50x5 RSA
 - Infill D Section Palisade Pale

PROCTER FENCING SYSTEMS
DOUBLE LEAF GATES-PALISADE

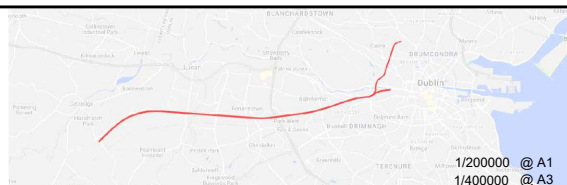


- Materials
- Posts 150x150x5 SHS
 - Frame 60x60x3 SHS
 - Infill 200x50x5 Mesh

PROCTER FENCING SYSTEMS
DOUBLE LEAF GATES-WELDED MESH

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Rev	Date	Dm	Chk'd	App'd	Description
v01	10.11.22	RG	JX	JX	PLANNING ISSUE

Client Iarnród Éireann Irish Rail		Engineering Designer ATKINS Member of the SNC Lavalin Group	
Date 09.09.22	Scale 1:25 @ A1 1:50 @ A3	Drawn RG	Checked PC
Project Code 5199586	Issuer TTA	Approved PC	QMS Code

Project Title DART + SOUTH WEST
Drawing Title TYPICAL BOUNDARY TREATMENT SECTIONS SHEET 2
Drawing File Name DP-04-23-DWG-RO-TTA-18904
Version v01
Status S3

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