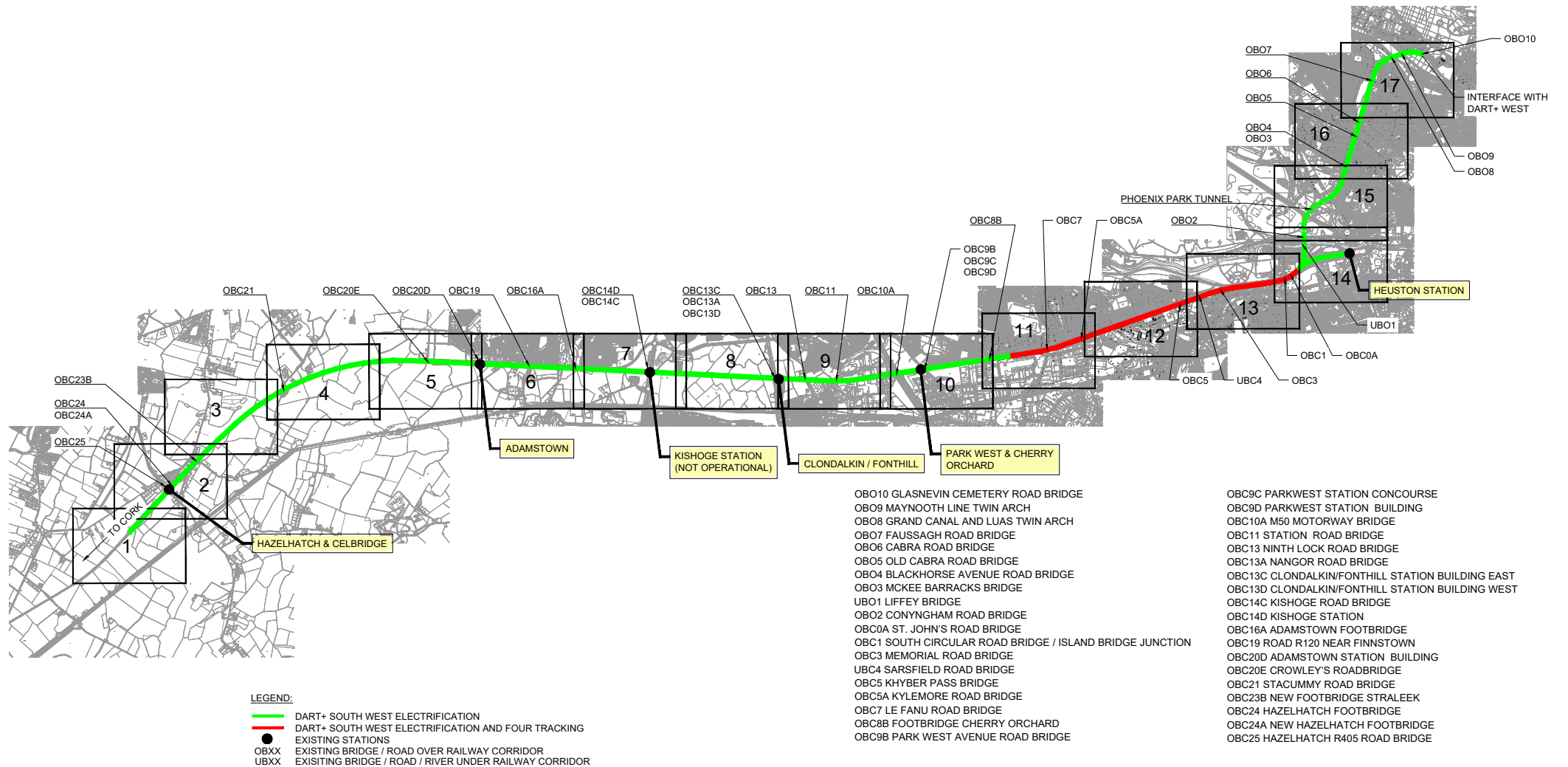
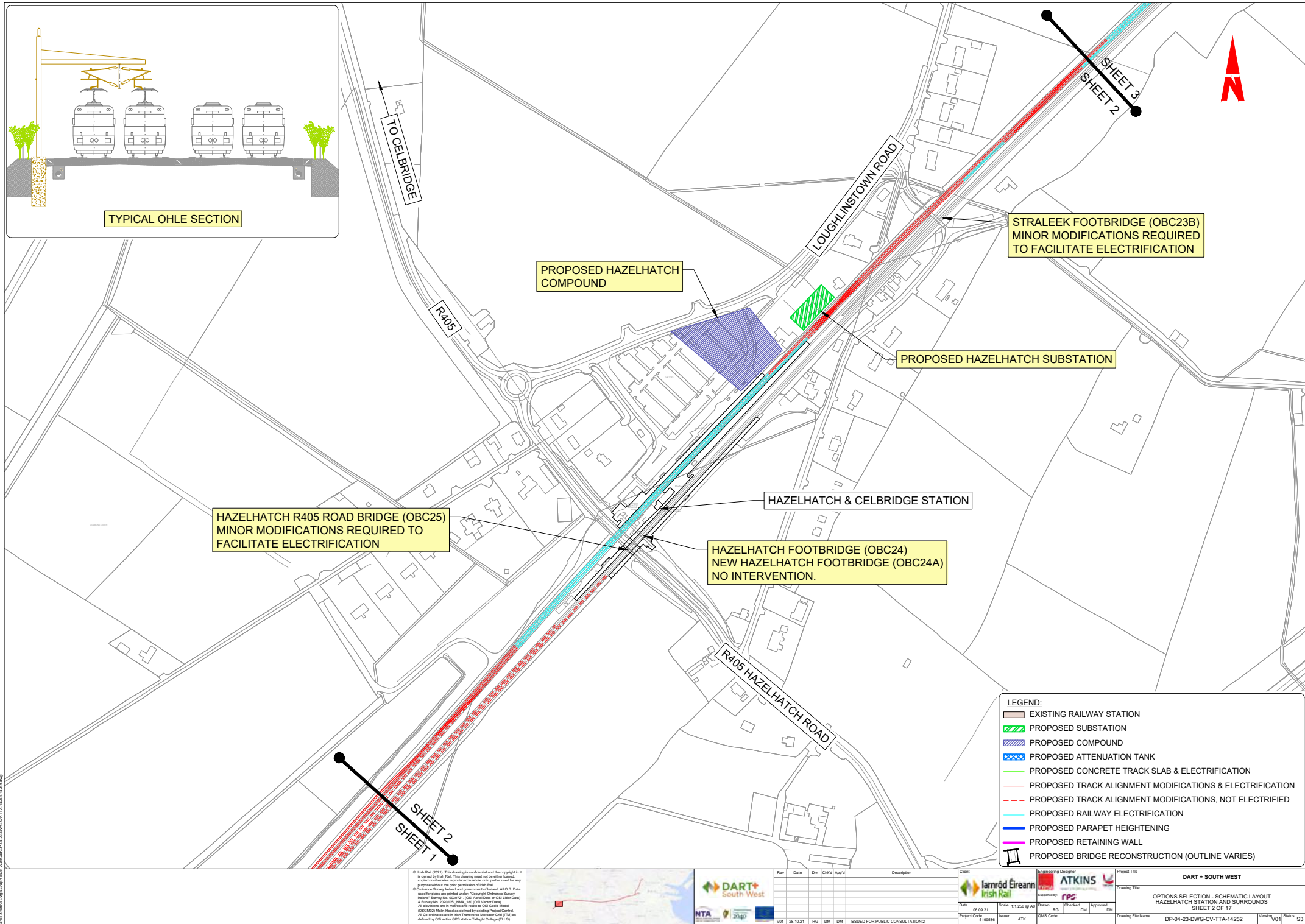


DART+ SOUTH WEST

OPTION SELECTION - SCHEMATIC LAYOUT - KEY PLAN





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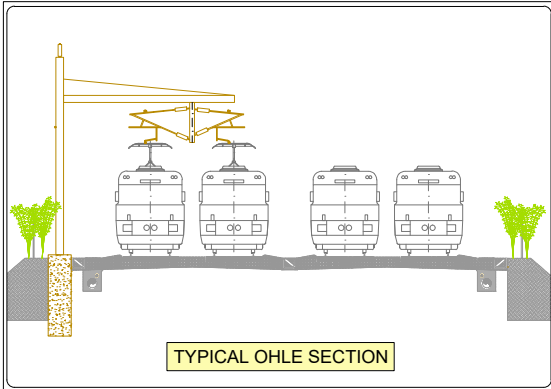
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All coordinates are in Irish Transverse Mercator (ITM) as defined by OS active GPS station Tullaghan College (TULLG).



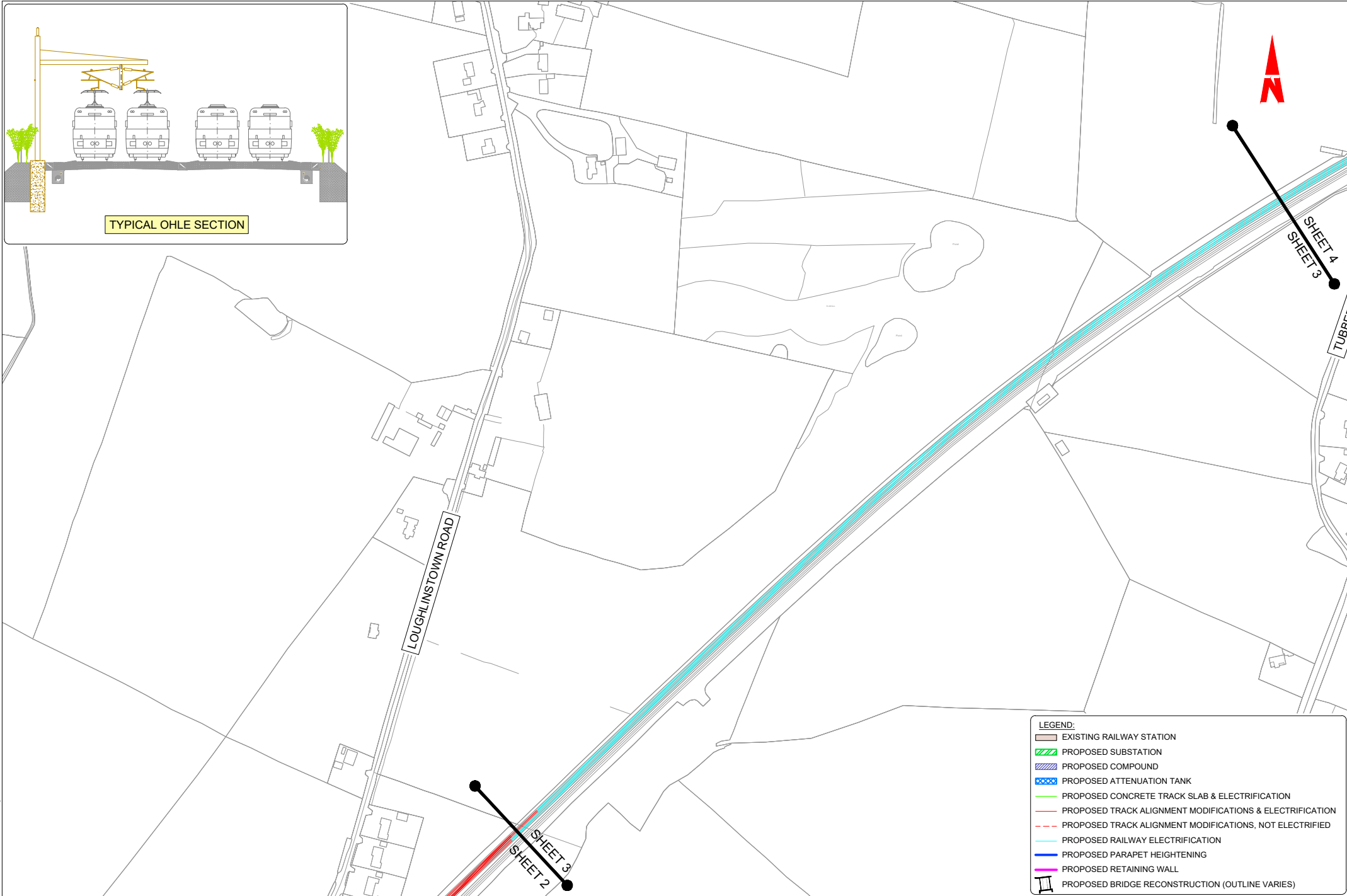
Rev	Date	Dr	Chkd	App'd	Description
V01	26.10.21	RG	DM	DM	ISSUED FOR PUBLIC CONSULTATION 2

Client	Irish Rail	Engineering Designer	ATKINS	Project Title	DART + SOUTH WEST
Date	04.03.21	Scale	1:1,250 @ A4	Drawn	RG
Project Code	519698	Author	ATK	Checked	DM
		QA/E Code		Approved	DM

Drawing Title	OPTIONS SELECTION - SCHEMATIC LAYOUT HAZELHATCH STATION AND SURROUNDS SHEET 2 OF 17
Drawing File Name	DP-04-23-DWG-CV-TTA-14252
Version	V01
Status	S3

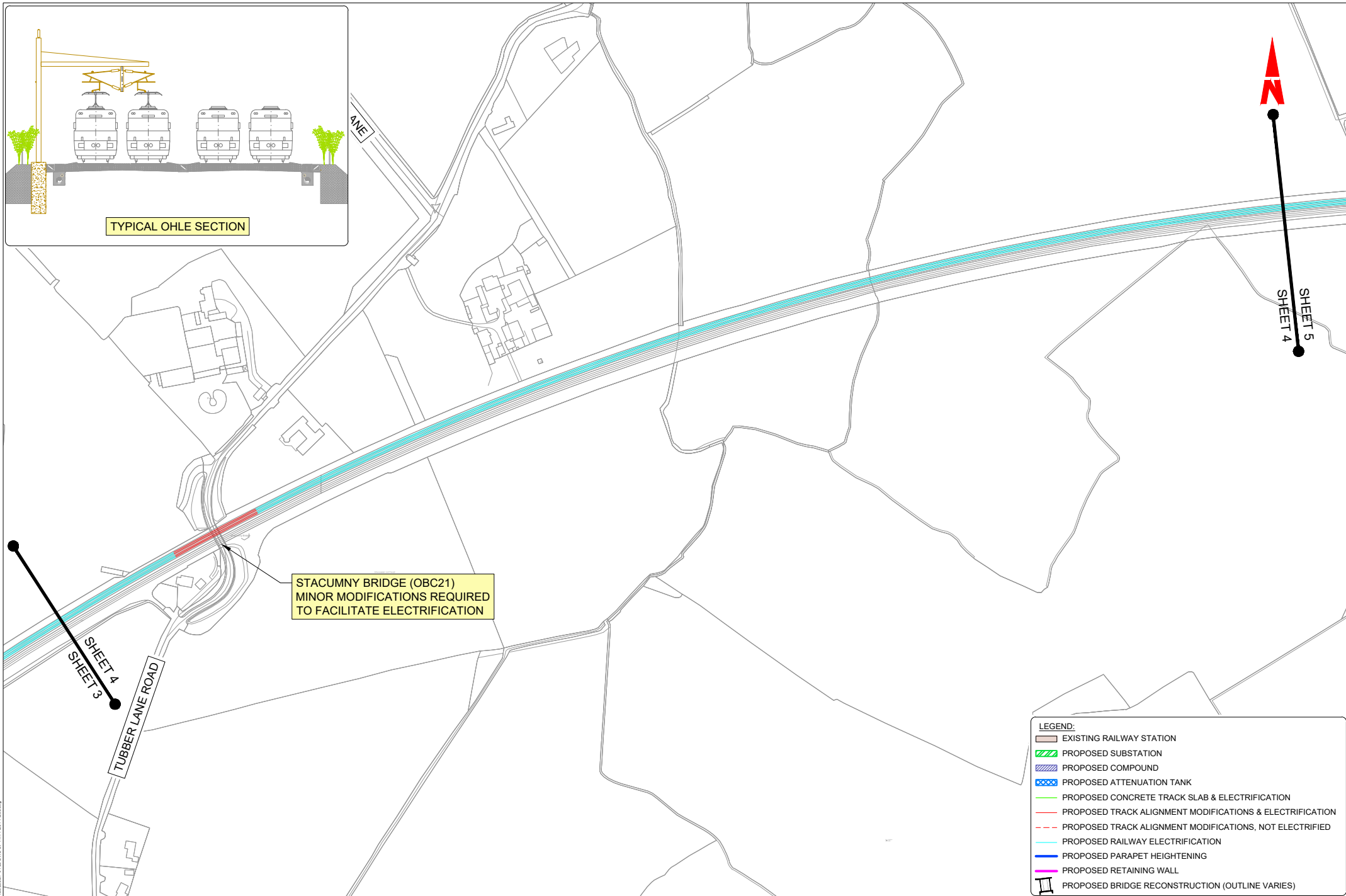
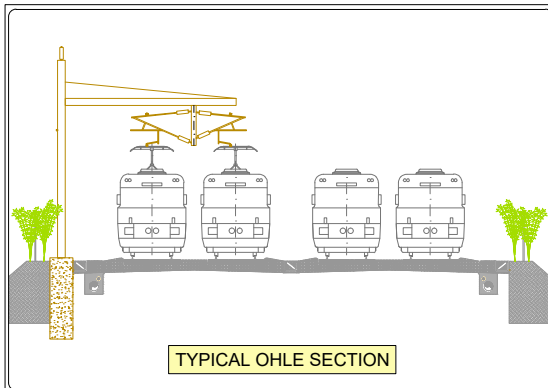


TYPICAL OHLE SECTION














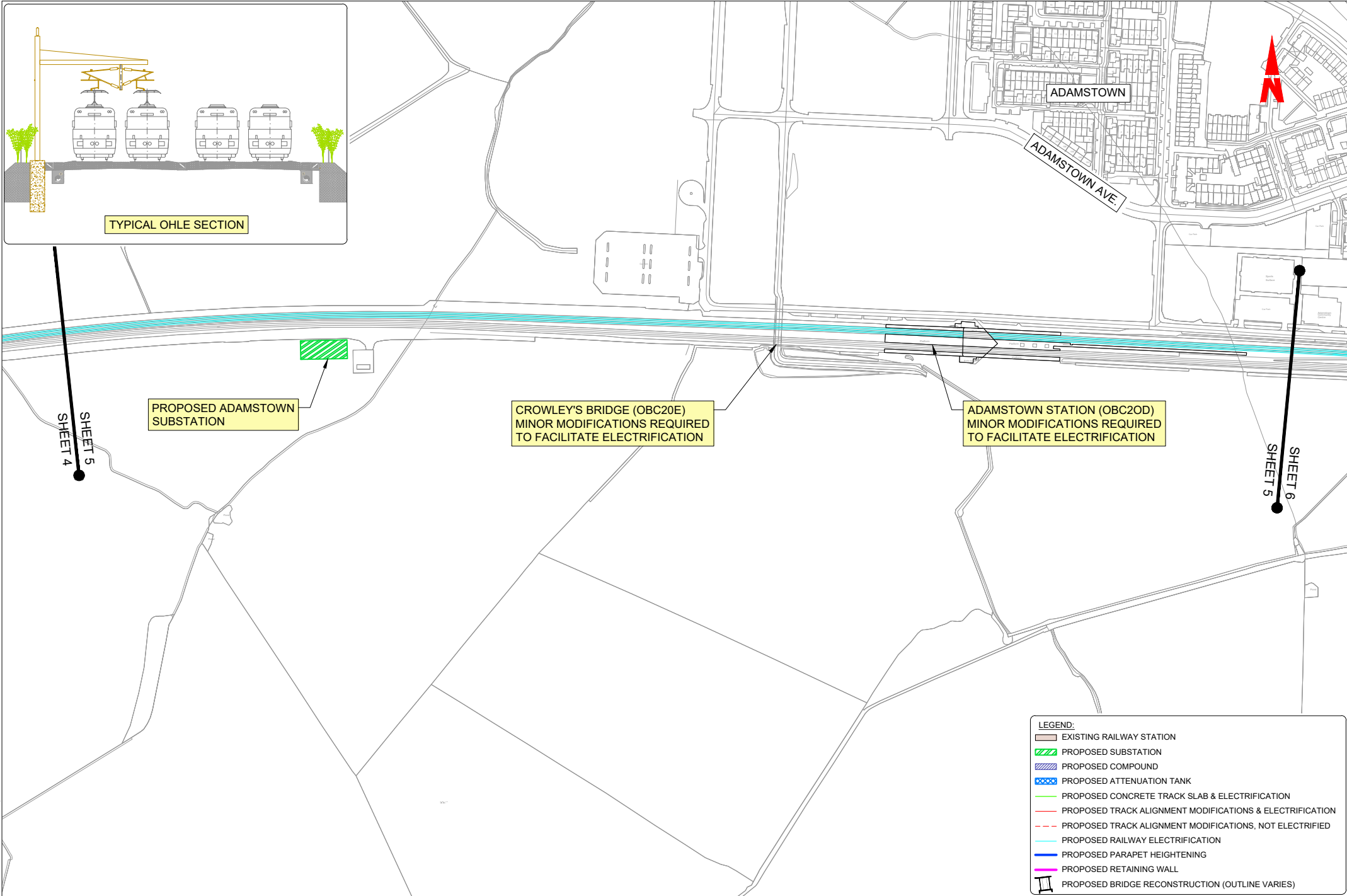
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- EXISTING RAILWAY STATION
- PROPOSED SUBSTATION
- PROPOSED COMPOUND
- PROPOSED ATTENUATION TANK
- PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PARAPET HEIGHTENING
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)



LEGEND:

	EXISTING RAILWAY STATION
	PROPOSED SUBSTATION
	PROPOSED COMPOUND
	PROPOSED ATTENUATION TANK
	PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
	PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
	PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
	PROPOSED RAILWAY ELECTRIFICATION
	PROPOSED PARAPET HEIGHTENING
	PROPOSED RETAINING WALL
	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)



LEGEND:

- EXISTING RAILWAY STATION
- PROPOSED SUBSTATION
- PROPOSED COMPOUND
- PROPOSED ATTENUATION TANK
- PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PARAPET HEIGHTENING
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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A Survey No. 2020/05, NMA, 180 (OS) Vector Data.
All elevations are to mean sea level (MSL) (OS) (Sea Level).
(OS) (OS) Main Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator. Grid (TME) as defined by OS active GPS station Tullagh College (TULLC).

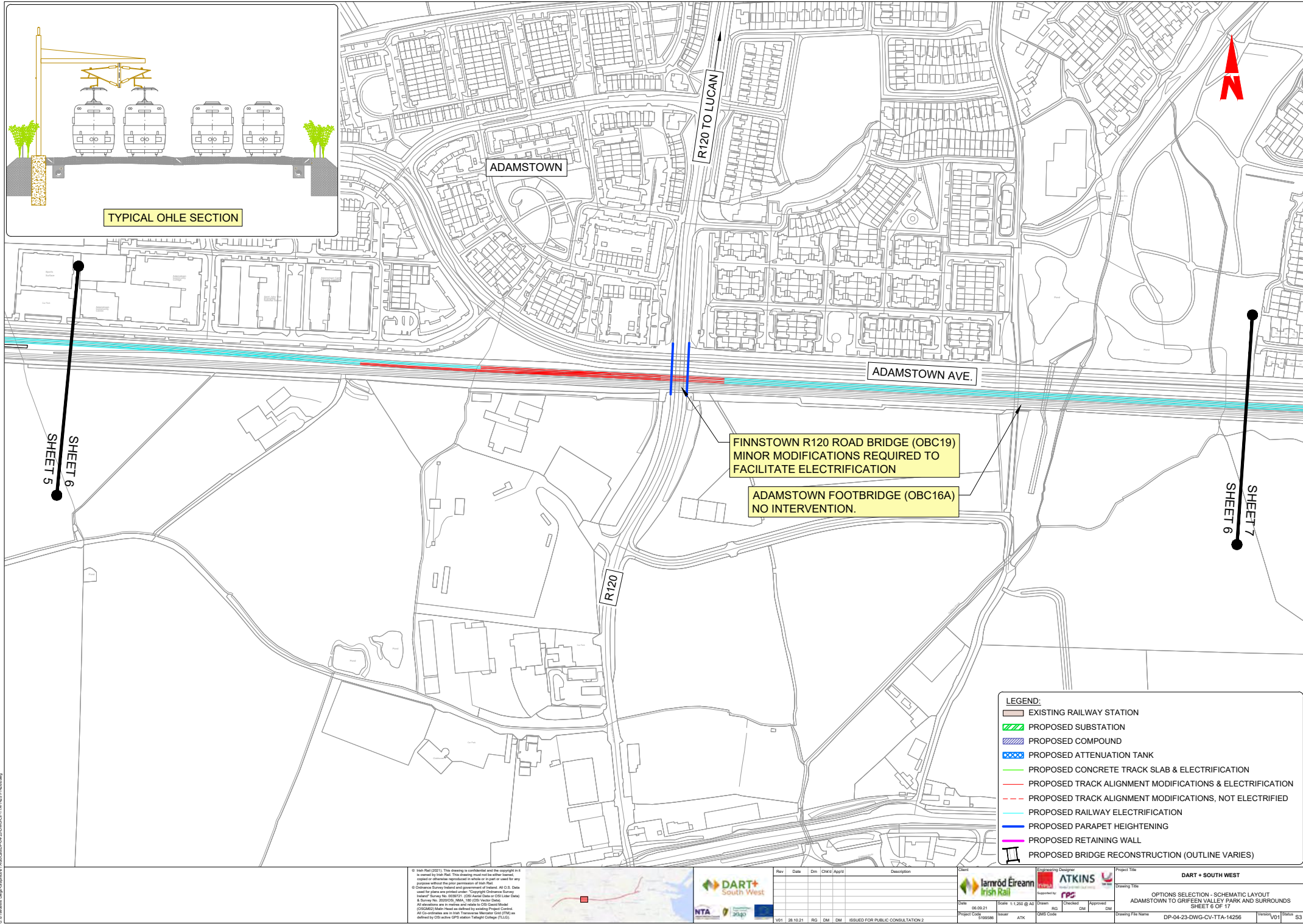


Rev	Date	Chkd	App'd	Description
V01	28.10.21	RG	DM	ISSUED FOR PUBLIC CONSULTATION 2

Client	Irish Rail
Date	08.09.21
Project Code	519698
Author	ATK
Scale	1:1,250 @ A2
Drawn	RG
Checked	DM
Approved	DM

Project Title	DART + SOUTH WEST
Drawing Title	OPTIONS SELECTION - SCHEMATIC LAYOUT ADAMSTOWN STATION AND SURROUNDS SHEET 5 OF 17
Drawing File Name	DP-04-23-DWG-CV-TTA-14255
Version	V01
Status	S3

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TYPICAL OHLE SECTION

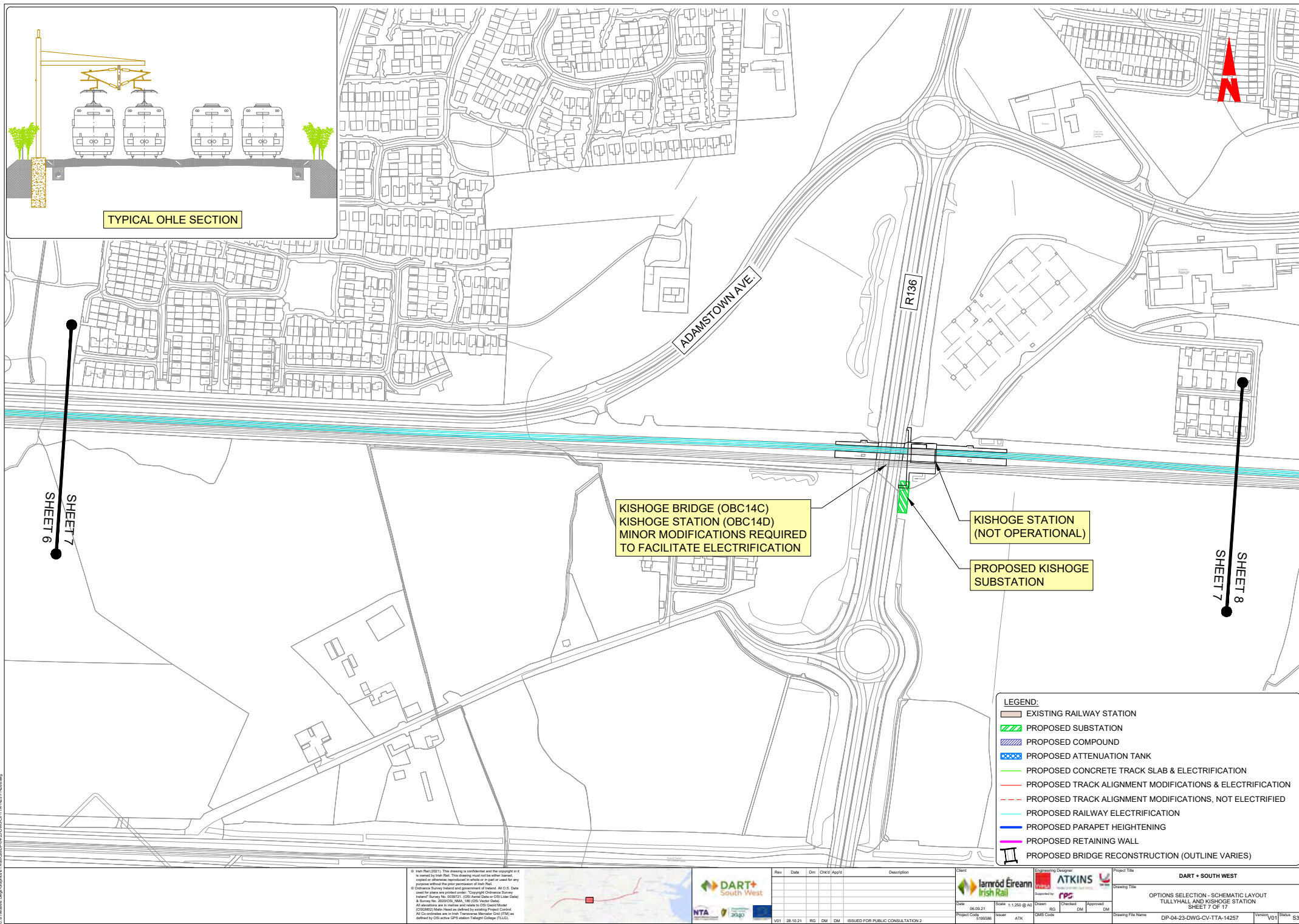
SHEET 6
SHEET 5

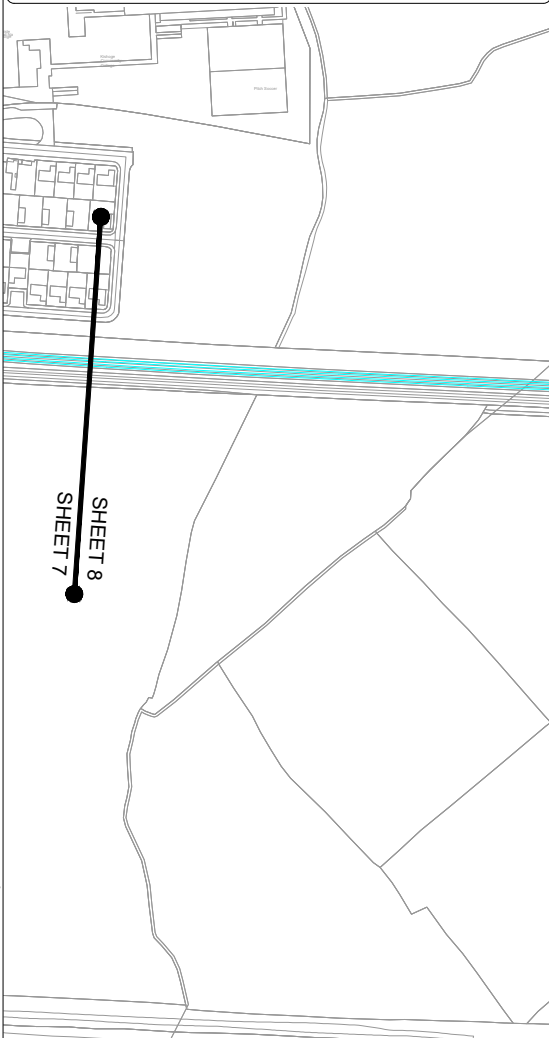
SHEET 7
SHEET 6

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

ADAMSTOWN FOOTBRIDGE (OBC16A)
NO INTERVENTION.












- LEGEND:
- EXISTING RAILWAY STATION
 - PROPOSED SUBSTATION
 - PROPOSED COMPOUND
 - PROPOSED ATTENUATION TANK
 - PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET HEIGHTENING
 - PROPOSED RETAINING WALL
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)









CLONDALKIN / FONTHILL STATION BUILDING EAST (OBC13C)
NANGOR ROAD BRIDGE (OBC13A)
CLONDALKIN / FONTHILL STATION BUILDING WEST (OBC13D)
MINOR MODIFICATIONS REQUIRED TO FACILITATE
ELECTRIFICATION

SHEET 8

- LEGEND:**
- | | |
|---|--|
|  | EXISTING RAILWAY STATION |
|  | PROPOSED SUBSTATION |
|  | PROPOSED COMPOUND |
|  | PROPOSED ATTENUATION TANK |
|  | PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION |
|  | PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION |
|  | PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED |
|  | PROPOSED RAILWAY ELECTRIFICATION |
|  | PROPOSED PARAPET HEIGHTENING |
|  | PROPOSED RETAINING WALL |
|  | PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES) |

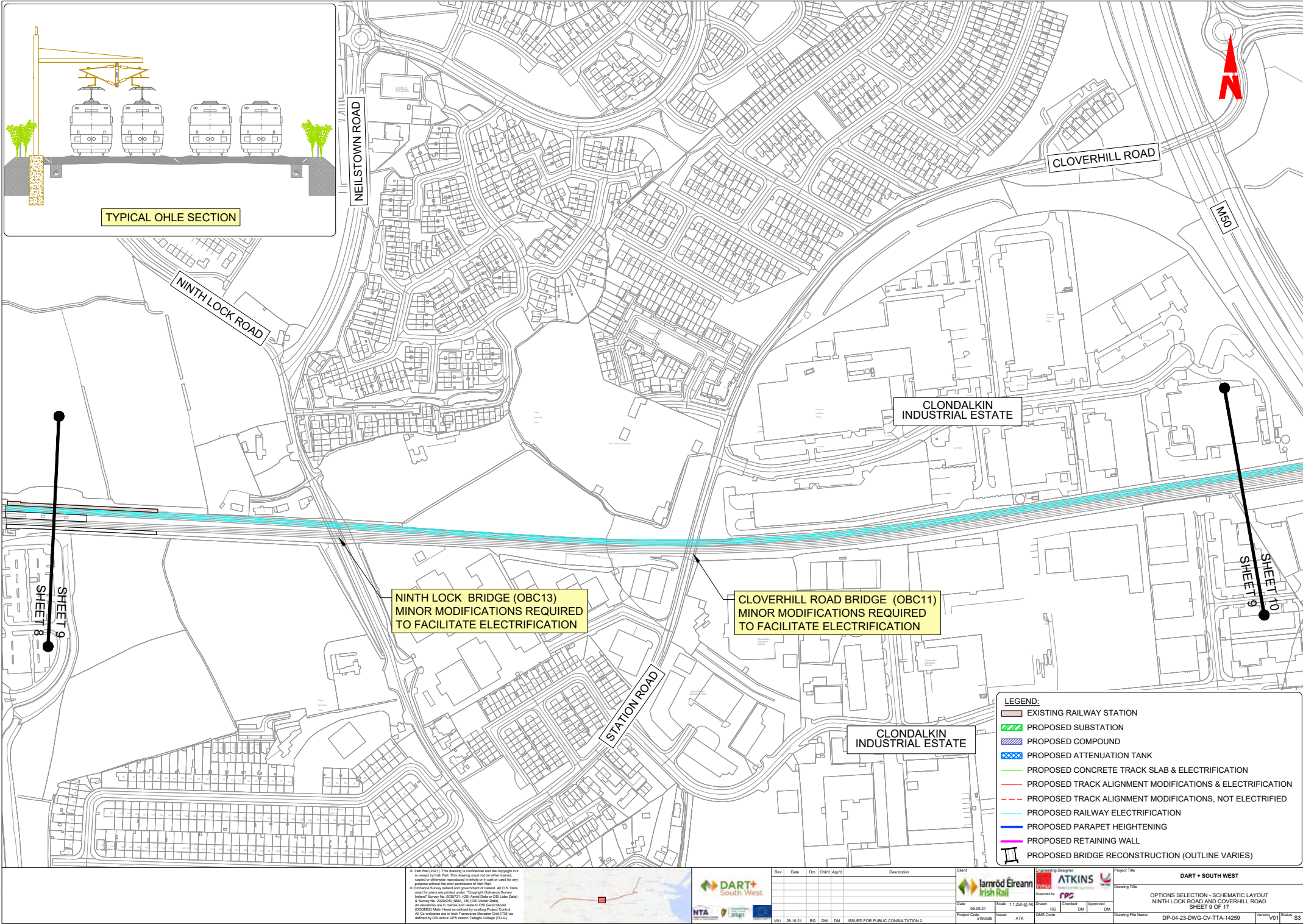
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- All co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (ITLG).

[illegible]

	Engineering Designer  		
	Supported by: 		
1:1.250 @ A0	Drawn RG	Checked DM	Approved
ATK	QMS Code		

Project Title	DART + SOUTH WEST		
Drawing Title	OPTIONS SELECTION - SCHEMATIC LAYOUT CLONDALKIN / FONTHILL STATION SHEET 8 OF 17		
Drawing File Name	DP-04-23-DWG-CV-TTA-14258	Version	V01
		Status	

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TYPICAL OHLE SECTION

NEILSTOWN ROAD

NINTH LOCK ROAD

CLOVERHILL ROAD

M50

CLONDALKIN INDUSTRIAL ESTATE

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

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

STATION ROAD

CLONDALKIN INDUSTRIAL ESTATE

SHEET 10
SHEET 9

- LEGEND:
- EXISTING RAILWAY STATION
 - PROPOSED SUBSTATION
 - PROPOSED COMPOUND
 - PROPOSED ATTENUATION TANK
 - PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET HEIGHTENING
 - PROPOSED RETAINING WALL
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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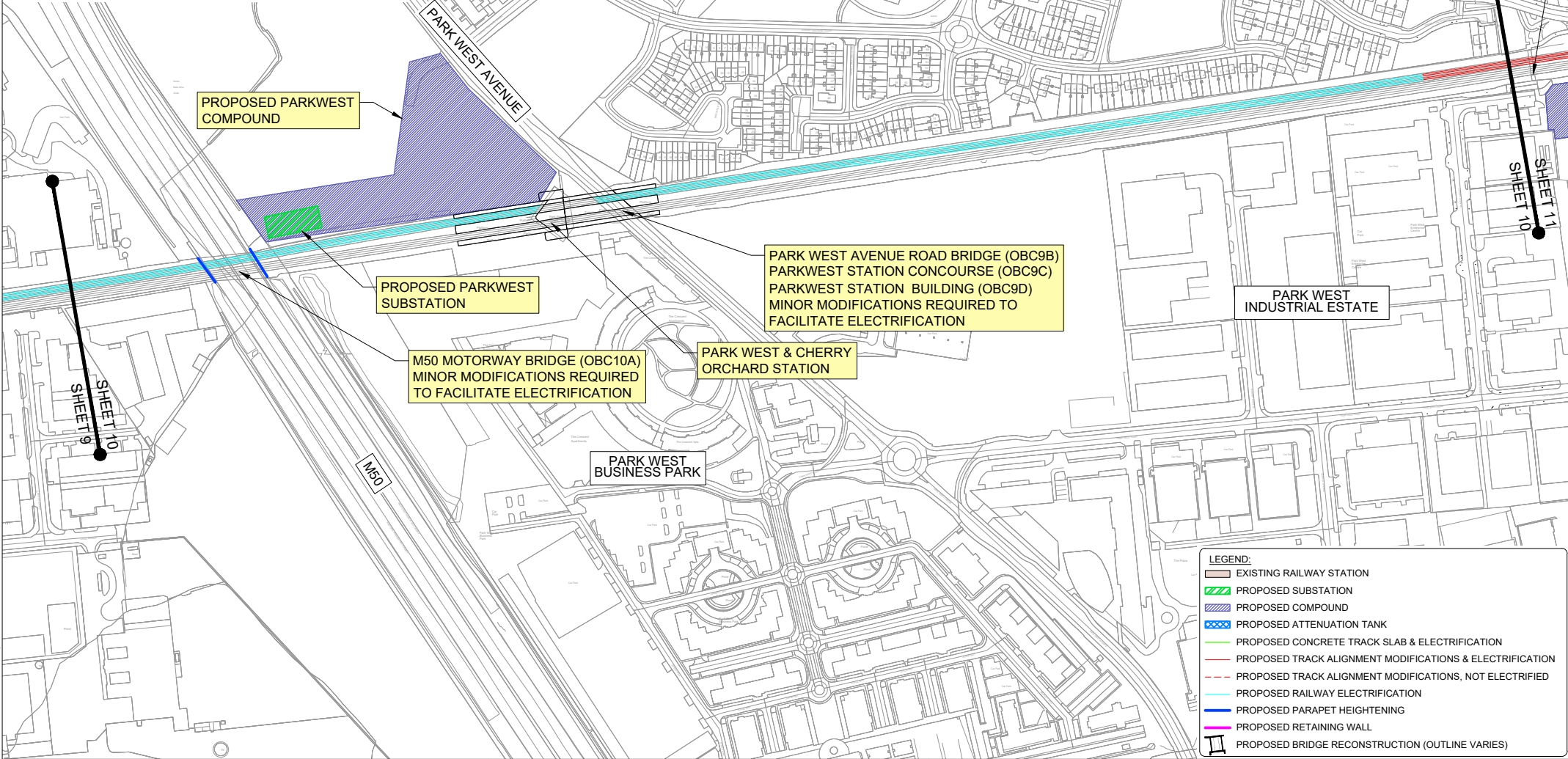
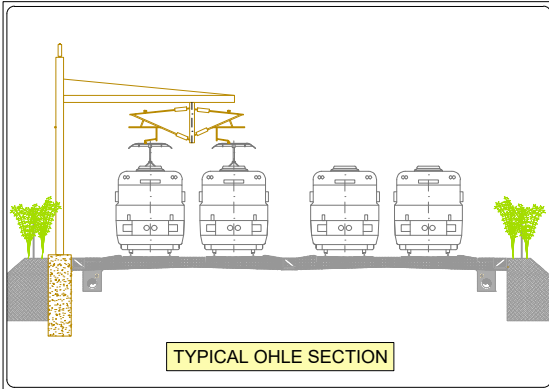


Rev	Date	Chkd	App'd	Description
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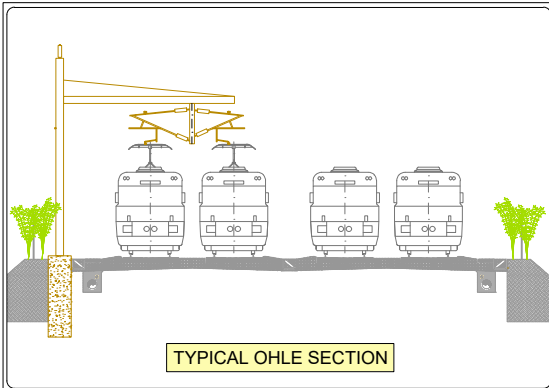
Client	lamróid Éireann Irish Rail	Engineering Designer	ATKINS
Date	08.03.21	Scale	1:1,250 @ A3
Project Code	519698	Drawn	RG
Author	ATK	Checked	DM
		Approved	DM
		QMS Code	

Project Title	DART + SOUTH WEST
Drawing Title	OPTIONS SELECTION - SCHEMATIC LAYOUT NINTH LOCK ROAD AND COVERHILL ROAD SHEET 9 OF 17
Drawing File Name	DP-04-23-DWG-CV-TTA-14259
Version	V01
Status	S3

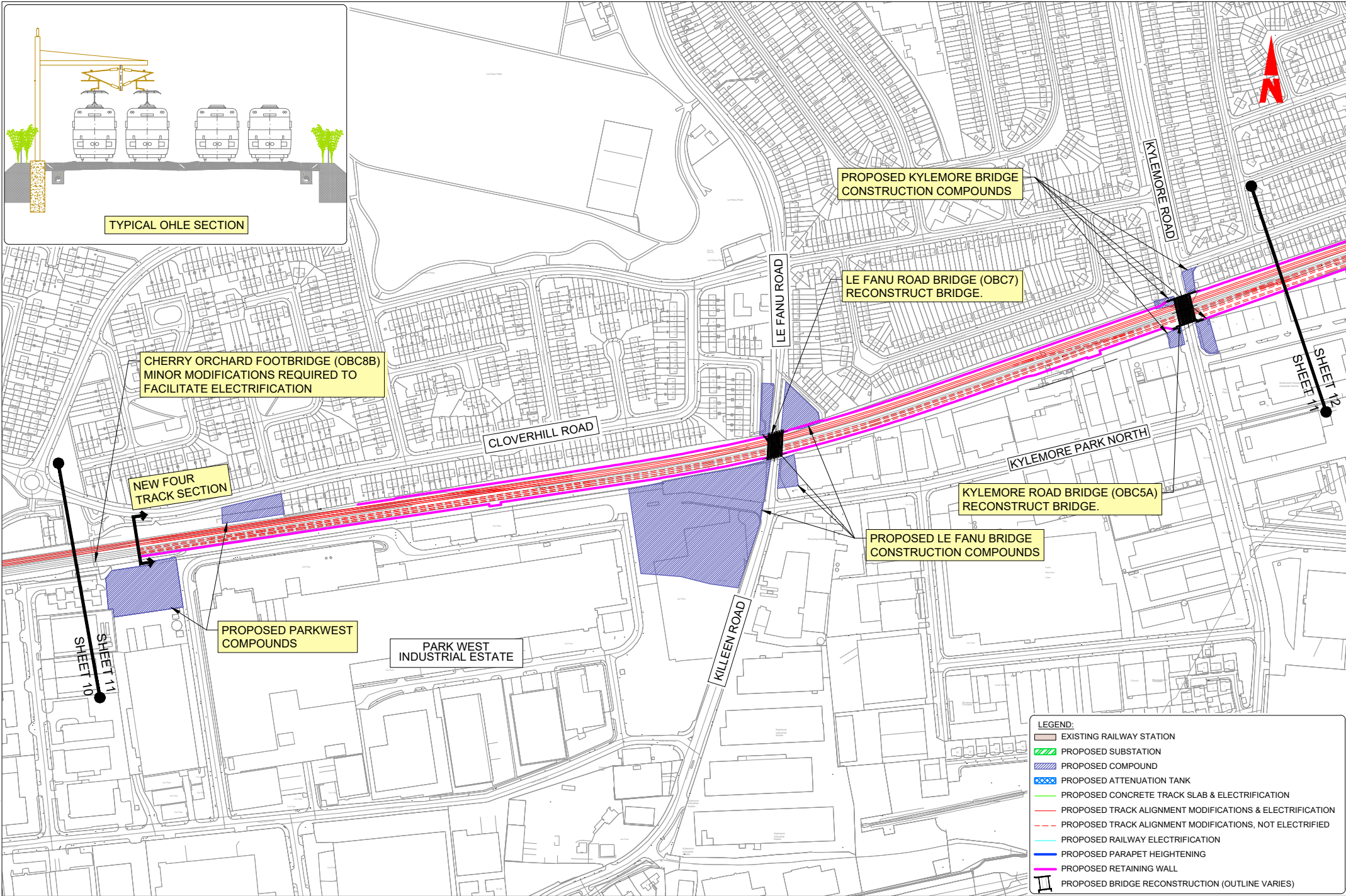
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



LEGEND:	
	EXISTING RAILWAY STATION
	PROPOSED SUBSTATION
	PROPOSED COMPOUND
	PROPOSED ATTENUATION TANK
	PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
	PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
	PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
	PROPOSED RAILWAY ELECTRIFICATION
	PROPOSED PARAPET HEIGHTENING
	PROPOSED RETAINING WALL
	PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

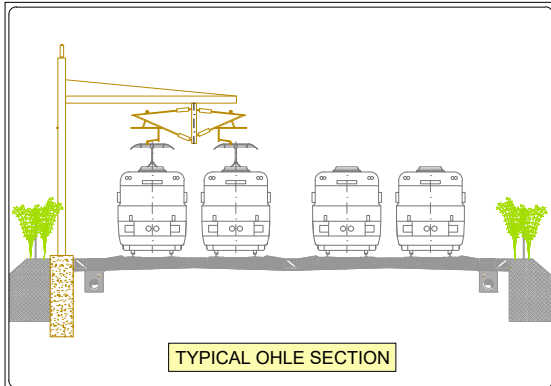


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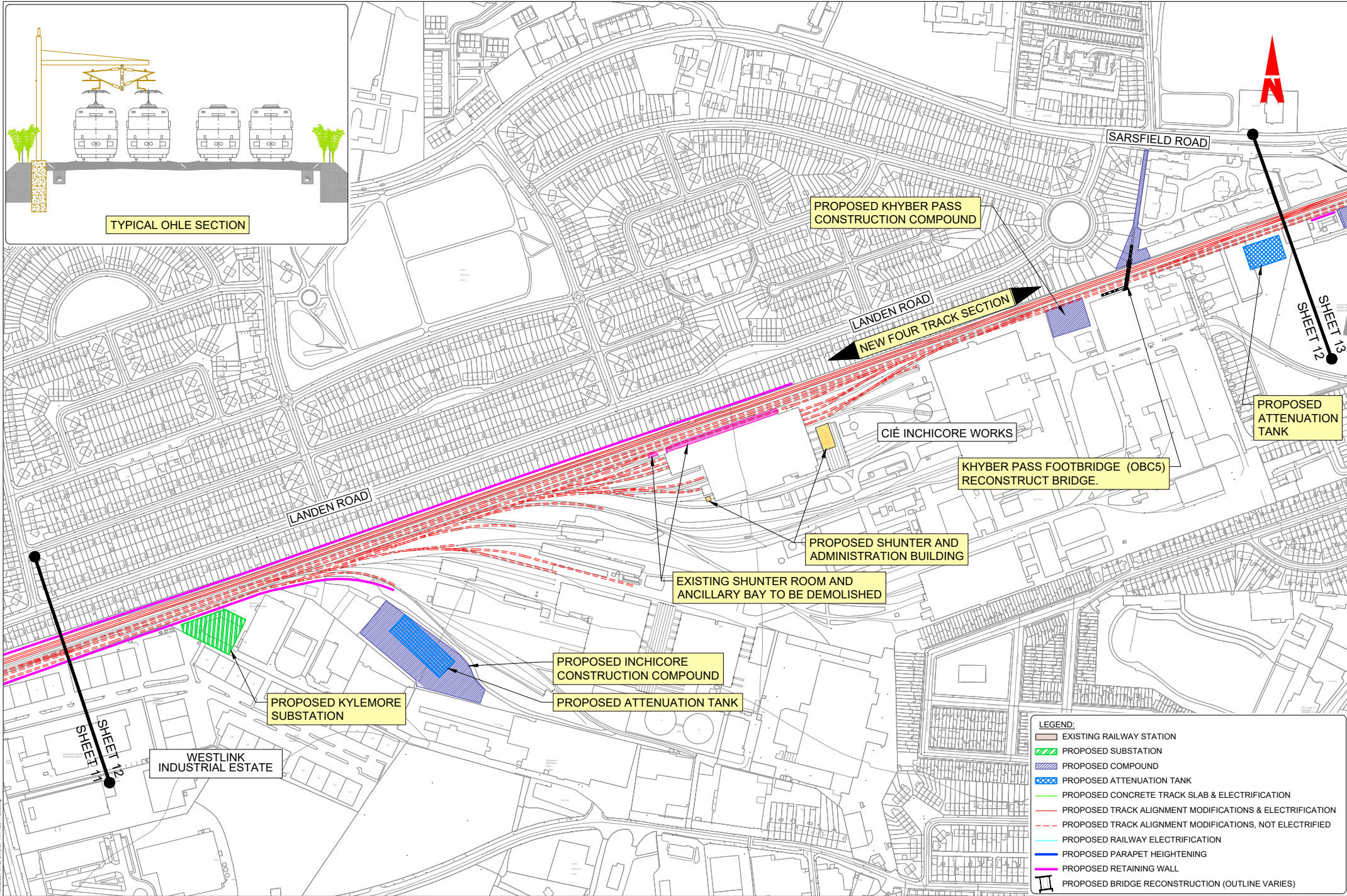


LEGEND:

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- PROPOSED SUBSTATION
- PROPOSED COMPOUND
- PROPOSED ATTENUATION TANK
- PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
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- PROPOSED PARAPET HEIGHTENING
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)



TYPICAL OHLE SECTION



- LEGEND:
- EXISTING RAILWAY STATION
 - PROPOSED SUBSTATION
 - PROPOSED COMPOUND
 - PROPOSED ATTENUATION TANK
 - PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET HEIGHTENING
 - PROPOSED RETAINING WALL
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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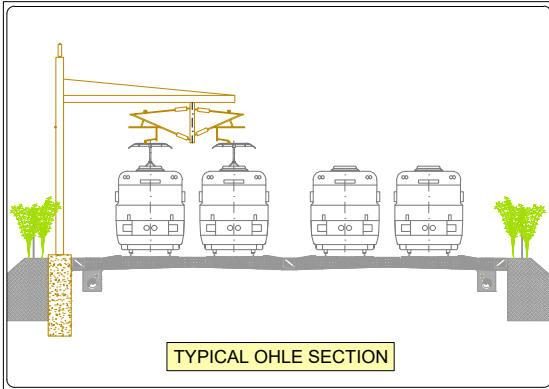


Rev	Date	By	Chkd	App'd	Description
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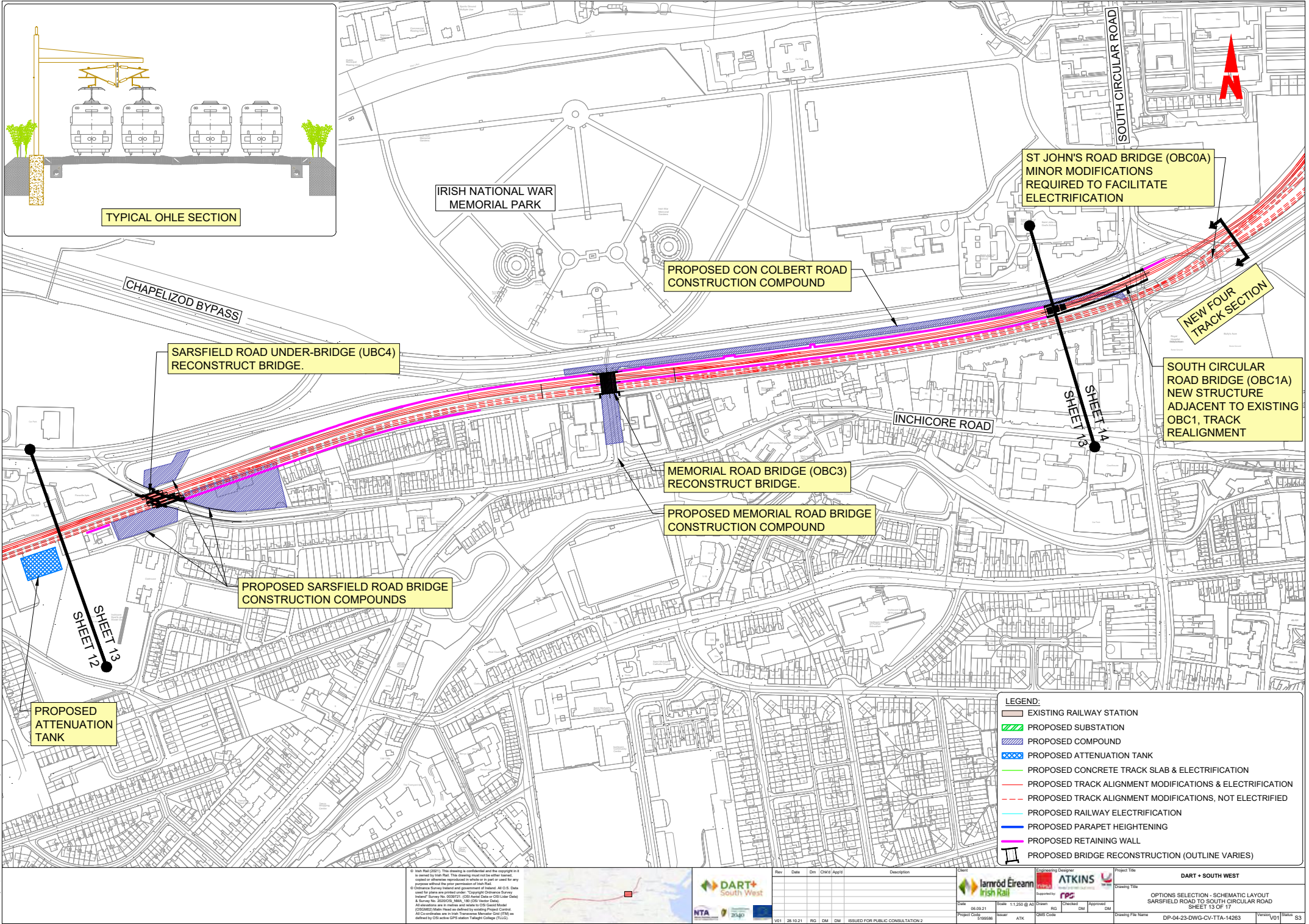


Project Title	DART + SOUTH WEST
Drawing Title	OPTIONS SELECTION - SCHEMATIC LAYOUT KYLEMORE TO INCHICORE WORKS SHEET 12 OF 17
Project Code	DP-04-23-DWG-CV-TTA-14262
Version	V01
Status	S3

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TYPICAL OHLE SECTION



- LEGEND:
- EXISTING RAILWAY STATION
 - PROPOSED SUBSTATION
 - PROPOSED COMPOUND
 - PROPOSED ATTENUATION TANK
 - PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET HEIGHTENING
 - PROPOSED RETAINING WALL
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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Rev	Date	By	CHK'd	App'd	Description
1	28.10.21	RG	DM	DM	ISSUED FOR PUBLIC CONSULTATION 2



Date	Scale	Author	Checked	Approved	Drawn
08.03.21	1:250 @ A3	ATKINS	RG	DM	DM

Project Title	Client	Project No.
DART + SOUTH WEST	Irish Rail	DP-04-23-DVG-CW-TTA-14263
Options Selection - Schematic Layout	Sheet 13 of 17	Status
Options Selection - Schematic Layout	Sheet 13 of 17	S3

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

SHEET 1
SHEET 15

GARDA
HEADQUARTERS












INFIRMARY ROAD

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

PHOENIX PARK TUNNEL

SHEET 15
SHEET 14

PARK GATE STREET

 EXISTING RAILWAY STATION
 PROPOSED SUBSTATION
 PROPOSED COMPOUND
 PROPOSED ATTENUATION TANK
 PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 PROPOSED RAILWAY ELECTRIFICATION
 PROPOSED PARAPET HEIGHTENING
 PROPOSED RETAINING WALL
 PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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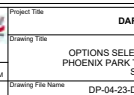
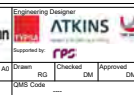
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All co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLG).



Rev	Date	Drn	Chk'd	App'd	Description
1/01/1	08-10-24	BO	DM	DM	ISSUED FOR PUBLIC CONSULTATION 2

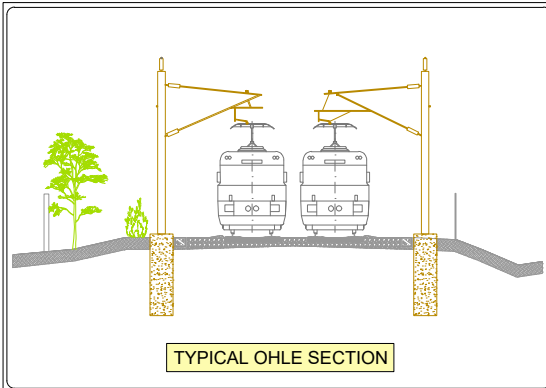


DART + SOUTH WEST

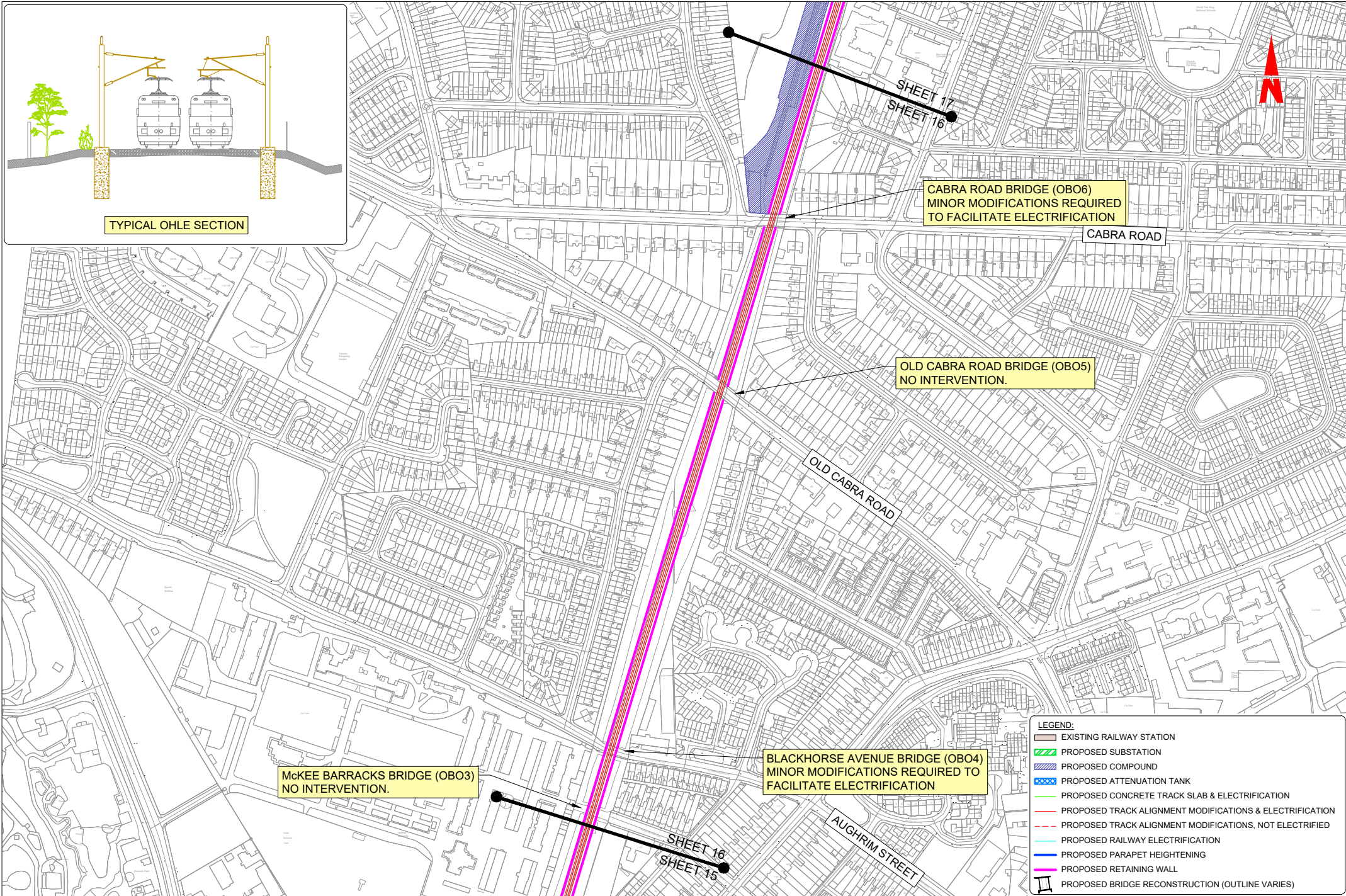
OPTIONS SELECTION - SCHEMATIC LAYOUT
PHOENIX PARK TO MCKEE BARRACKS BRIDGE
SHEET 15 OF 17

Drawing File Name	DP-04-23-DWG-CV-TTA-14265	Version	V01	Status	S3
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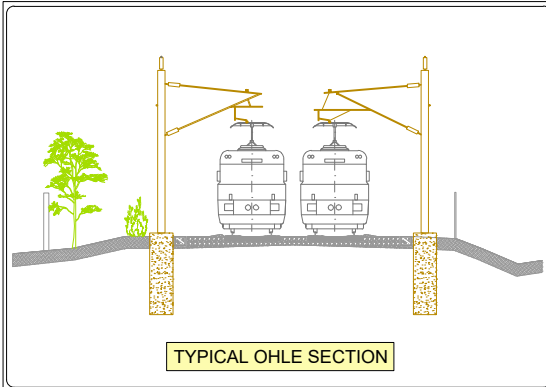


TYPICAL OHLE SECTION



LEGEND:

- EXISTING RAILWAY STATION
- PROPOSED SUBSTATION
- PROPOSED COMPOUND
- PROPOSED ATTENUATION TANK
- PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
- PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
- PROPOSED RAILWAY ELECTRIFICATION
- PROPOSED PARAPET HEIGHTENING
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)



TYPICAL OHLE SECTION

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

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

GLASNEVIN CEMETERY ROAD BRIDGE
(OBO10)
DECK AND PARAPET REPLACEMENT

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

FASSAUGH ROAD BRIDGE (OBO7)
MINOR MODIFICATIONS REQUIRED
TO FACILITATE ELECTRIFICATION

DART+ WEST

ROYAL CANAL

LUAS CROSS CITY LINE

SHEET 17
SHEET 16

- LEGEND:
- EXISTING RAILWAY STATION
 - PROPOSED SUBSTATION
 - PROPOSED COMPOUND
 - PROPOSED ATTENUATION TANK
 - PROPOSED CONCRETE TRACK SLAB & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS & ELECTRIFICATION
 - PROPOSED TRACK ALIGNMENT MODIFICATIONS, NOT ELECTRIFIED
 - PROPOSED RAILWAY ELECTRIFICATION
 - PROPOSED PARAPET HEIGHTENING
 - PROPOSED RETAINING WALL
 - PROPOSED BRIDGE RECONSTRUCTION (OUTLINE VARIES)

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defined by OSI active GPS station Tullagh College (TULLC).



Rev	Date	Dim	CHK'd	App'd	Description
V01	28.10.21	RG	DM	DM	ISSUED FOR PUBLIC CONSULTATION 2

Client	Irish Rail
Scale	1:1,250 @ A4
Date	08.05.21
Project	519698
Author	ATK
Checked	DM
Approved	DM

Project Title	DART + SOUTH WEST
Drawing Title	Options Selection - Schematic Layout Cabra to Glasnevin Junction Sheet 17 of 17
Drawing File Name	DP-04-23-DWG-CV-TTA-14267
Version	V01
Status	S3

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