



ESTUARY  
Park & Ride

SEATOWN

SWORDS CENTRAL

FOSTERSTOWN

DUBLIN AIRPORT

DARDISTOWN

NORTHWOOD

BALLYMUN

COLLINS AVENUE

GRIFFITH PARK

GLASNEVIN

MATER

O'CONNELL STREET

TARA

ST STEPHEN'S GREEN

CHARLEMONT



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by proposed change)

Item No.	Description of Change	Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
1	<b>St. Stephen's Green Station to Charlemont Station</b> - Tunnel vertical alignment change.	ML1-JAI-ARD-ROUT_XX-DR-Y-01018	METROLINK - ALIGNMENT	LONG SECTION 18	Alignment long section showing proposed lowered alignment between St Stephen's Green and Charlemont.
2		ML1-JAI-ARD-ROUT_XX-DR-Y-01019	METROLINK - ALIGNMENT	LONG SECTION 19	Alignment long section showing proposed lowered alignment between St Stephen's Green and Charlemont.
3		ML1-JAI-ARD-ROUT_XX-DR-Y-03094	METROLINK - GENERAL ARRANGEMENT	ST. STEPHEN'S GREEN TO HATCH ST LOWER	Addition of new underground pumping station and lowering of tunnel in Section A-A to reflect lowered alignment between St Stephen's Green and Charlemont stations.
4		ML1-JAI-ARD-ROUT_XX-DR-Y-03095	METROLINK - GENERAL ARRANGEMENT	HATCH STREET LOWER TO GRANDE PARADE	Addition of new underground pumping station and lowering of tunnel in Section A-A to reflect lowered alignment between St Stephen's Green and Charlemont stations.
5		ML1-JAI-URD-ROUT_XX-DR-Y-01094	METROLINK - UTILITY DIVERSION	SAINT STEPHEN'S GREEN TO HATCH STREET LOWER	Addition of new underground pumping station to accommodate lowered alignment between St Stephen's Green and Charlemont stations.
6		ML1-JAI-URD-ROUT_XX-DR-Y-01095	METROLINK - UTILITY DIVERSION	HATCH STREET LOWER TO GRANDE PARADE	Addition of new underground pumping station to accommodate lowered alignment between St Stephen's Green and Charlemont stations.
7	<b>Seatown Villas</b> - Additional 30m of cut and cover tunnel replacing retained open cut.	ML1-JAI-ARD-ROUT_XX-DR-Y-01001	METROLINK - ALIGNMENT	LONG SECTION 1	Long section showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
8		ML1-JAI-ARD-ROUT_XX-DR-Y-03011	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 5 OF 5)	General arrangement showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
9		ML1-JAI-ARD-ROUT_XX-DR-Y-03012	METROLINK - GENERAL ARRANGEMENT	SEATOWN (SHEET 1 OF 3)	General arrangement drawing showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
10		ML1-JAI-ARL-SC01_XX-DR-Y-00002	LANDSCAPE	ESTUARY- SEATOWN	Landscape drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
11		ML1-JAI-ARL-SC01_XX-DR-Y-00003	LANDSCAPE	ESTUARY - SEATOWN	Landscape drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
12		ML1-JAI-URD-ROUT_XX-DR-Y-02011	METROLINK - PROPOSED SURFACE DRAINAGE	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities Surface Water drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
13		ML1-JAI-URD-ROUT_XX-DR-Y-02012	METROLINK - PROPOSED SURFACE DRAINAGE	SEATOWN (SHEET 1 OF 3)	Utilities Surface Water drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
14		ML1-JAI-URD-ROUT_XX-DR-Y-01011	METROLINK - UTILITY DIVERSION	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
15		ML1-JAI-URD-ROUT_XX-DR-Y-01012	METROLINK - UTILITY DIVERSION	SEATOWN (SHEET 1 OF 3)	Utilities drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
16		ML1-JAI-BOR-ROUT_XX-DR-Y-01012	METRO LINK - PROPERTY DETAILS	SEATOWN (SHEET 1 OF 3)	Property drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
17	<b>Balheary Park</b> - revised pitch layout showing full size all weather pitch.	ML1-JAI-ARD-ROUT_XX-DR-Y-03009	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 3 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.
18		ML1-JAI-ARD-ROUT_XX-DR-Y-03010	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 4 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.
19		ML1-JAI-ARD-ROUT_XX-DR-Y-03011	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 5 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by proposed change)

Item No.	Description of Change	Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
20	Pinnockhill - Replacement of approximately 50m of retained open cut south of Pinnockhill roundabout with cut and cover tunnel and revisions to property access.	ML1-JAI-ARD-ROUT_XX-DR-Y-03022	METROLINK - GENERAL ARRANGEMENT	PINNOCK HILL ROUNDABOUT	General arrangement drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
21		ML1-JAI-ARL-SC03_XX-DR-Y-00006	LANDSCAPE LAYOUT	SWORDS CENTRAL - FOSTERSTOWN	General arrangement drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
22		ML1-JAI-URD-ROUT_XX-DR-Y-01022	METROLINK - UTILITY DIVERSION	PINNOCK HILL ROUNDABOUT	Utilities drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
23		ML1-JAI-URD-ROUT_XX-DR-Y-02022	METROLINK - PROPOSED SURFACE DRAINAGE	PINNOCK HILL ROUNDABOUT	Utilities Surface Water drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
24		ML1-JAI-ARD-ROUT_XX-DR-Y-01003	METROLINK - ALIGNMENT	LONG SECTION 3	Long section drawing showing replacement of 50m of retained open cut with cut and cover tunnel.
25		ML1-JAI-BOR-ROUT_XX-DR-Y-01022	METRO LINK - PROPERTY DETAILS PINNOCK HILL ROUNDABOUT	PINNOCK HILL ROUNDABOUT	Property drawing reflecting replacement of 50m of retained open cut with cut and cover tunnel.
26	Dublin Airport Tunnel - Ventilation and access tunnel cross sections changed to reflect proposed TBM construction methodology.	ML1-JAI-ARD-ROUT_XX-DR-Y-03035	METROLINK - GENERAL ARRANGEMENT	DUBLIN AIRPORT (SHEET 5 OF 5)	Section A-A ventilation tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
27		ML1-JAI-ARD-ROUT_XX-DR-Y-03036	METROLINK - GENERAL ARRANGEMENT	BALLYSTRAUN (SHEET 1 OF 7)	Section A-A ventilation and emergency exit tunnel cross-sections changed to a circular profile reflecting proposed TBM construction methodology.
28		ML1-JAI-SRD-ROUT_XX-DR-Y-01002	METROLINK - STRUCTURES SOUTH PORTAL	GENERAL ARRANGEMENT	Ventilation tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
29		ML1-JAI-SRD-ROUT_XX-DR-Y-01003	METROLINK - STRUCTURES SOUTH PORTAL VENTILATION AND EMERGENCY ACCESS	GENERAL ARRANGEMENT	Ventilation tunnel and emergency exit tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
30	Santry Lodge - amendments to Santry Lodge entrance arising from agreement with Fingal County Council.	ML1-JAI-ARD-ROUT_XX-DR-Y-03056	METROLINK - GENERAL ARRANGEMENT	OLD BALLYMUN ROAD (NORTH)	General arrangement drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
31		ML1-JAI-ARL-SC07_GF-DR-X-00113	LANDSCAPE LAYOUT	NORTHWOOD - BALLYMUN	Landscape drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
32		ML1-JAI-URD-ROUT_XX-DR-Y-02056	METROLINK - PROPOSED SURFACE DRAINAGE	OLD BALLYMUN ROAD (NORTH)	Utilities Surface Water drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
33	Gullivers Retail Park (Northwood) - revised roundabout design to reduce permanent landtake.	ML1-JAI-ARD-ROUT_XX-DR-Y-03057	METROLINK - GENERAL ARRANGEMENT	GULLIVER'S RETAIL PARK	General arrangement drawing showing revised roundabout design arising from agreement with landowner.
34		ML1-JAI-ARL-SC07_GF-DR-Y-00114	LANDSCAPE LAYOUT	NORTHWOOD - BALLYMUN	Landscape drawing showing revised roundabout design arising from agreement with landowner.
35		ML1-JAI-URD-ROUT_XX-DR-Y-01056	METRO LINK - UTILITY DIVERSION	OLD BALLYMUN ROAD (NORTH)	Utility drawing showing revised roundabout design arising from agreement with landowner.
36		ML1-JAI-URD-ROUT_XX-DR-Y-01057	METRO LINK - UTILITY DIVERSION	GULLIVER'S RETAIL PARK	Utility drawing showing revised roundabout design arising from agreement with landowner.
37		ML1-JAI-URD-ROUT_XX-DR-Y-02057	METROLINK - PROPOSED SURFACE DRAINAGE	GULLIVER'S RETAIL PARK	Utility Surface Water drawing showing revised roundabout design arising from agreement with landowner.
38	Leinster Street Pumping Station - Addition of previously omitted in-tunnel underground pumping station.	ML1-JAI-ARD-ROUT_XX-DR-Y-03091	METROLINK - GENERAL ARRANGEMENT	PEARSE STREET TO LEINSTER STREET SOUTH	General arrangement drawing now showing previously omitted in-tunnel underground pumping station.
39		ML1-JAI-ARD-ROUT_XX-DR-Y-03092	METROLINK - GENERAL ARRANGEMENT	LEINSTER ST SOUTH TO ST STEPHEN'S GREEN	General arrangement drawing now showing previously omitted in-tunnel underground pumping station.
40		ML1-JAI-URD-ROUT_XX-DR-Y-01091	METROLINK - UTILITY DIVERSION	PEARSE STREET TO LEINSTER STREET SOUTH	Utility drawing now showing previously omitted in-tunnel underground pumping station.
41		ML1-JAI-URD-ROUT_XX-DR-Y-01092	METROLINK - UTILITY DIVERSION	LEINSTER STREET SOUTH TO SAINT STEPHEN'S GREEN	Utility drawing now showing previously omitted in-tunnel underground pumping station.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by proposed change)

Item No.	Description of Change	Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
42	<b>St. Stephen's Green Station</b> - layout of hostile vehicle management (HVM) bollards revised, previously omitted part of Famine Memorial layout added to drawing, and paving extended to link the MetroLink plaza and the Famine Memorial.	ML1-JAI-ARD-ROUT_XX-DR-Y-03093	METROLINK - GENERAL ARRANGEMENT	SAINT STEPHEN'S GREEN	General arrangement drawing showing previously omitted part of Famine Memorial layout added to drawing.
43		ML1-JAI-SRD-ROUT_XX-DR-Y-02084	ST. STEPHENS GREEN STATION	PROPOSED STREET LEVEL DESIGN	Street Level design drawing showing previously omitted part of Famine Memorial layout added to drawing and layout of HVM bollards revised.
44		ML1-JAI-SRD-ROUT_XX-DR-Y-02085	ST. STEPHENS GREEN STATION	STREET LEVEL ELEVATION	Street level elevation showing revised layout of HVM bollards.
45		ML1-JAI-URD-ROUT_XX-DR-Y-02093	METROLINK - PROPOSED SURFACE DRAINAGE	SAINT STEPHEN'S GREEN	Utility Surface Water drawing showing revised playout of HVM bollards.
46	<b>Glasnevin Station:</b>	ML1-JAI-ARD-ROUT_XX-DR-Y-03076	METROLINK - GENERAL ARRANGEMENT	PROSPECT WAY TO ROYAL CANAL	General arrangement drawing showing changes noted by 'Description of Change'.
47	Tow path access onto Prospect Road updated (includes: widened entrance, amended Prospect Road junction layout, changed surface treatment to delineate between tow path and Prospect Road footway, and relocation of two lighting columns to edge of tow path).	ML1-JAI-SRD-ROUT_XX-DR-Y-02057	GLASNEVIN STATION	PROPOSED STREET LEVEL DESIGN	General arrangement drawing showing changes noted by 'Description of Change'.
48		ML1-JAI-SRD-ROUT_XX-DR-Y-02063	GLASNEVIN STATION	LONGITUDINAL SECTION	Longitudinal section showing change of use within Glasnevin Station entrance building from previous proposed retail unit to "Retail/Cafe/Community Use", including addition of mezzanine level with associated access (lift and stairs).
49	Change of use within Glasnevin Station entrance building from previous proposed retail unit to "Retail / Cafe / Community Use" including addition of mezzanine level with associated access (lift and stairs).	ML1-JAI-SRD-MS11_XX-DR-Y-01001	METROLINK GLASNEVIN HEAVY RAIL	TRACK REALIGNMENT	Track Realignment drawing showing revised road junction layout. Includes: widened entrance, amended Prospect Road junction layout, changed surface treatment to delineate between tow path and Prospect Road footway, and relocation of two lighting columns to edge of tow path.
50	<b>Tara Station</b> - Changed from 3 No. to 5 No. skylights with updated landscape layout.	ML1-JAI-ARD-ROUT_XX-DR-Y-03090	TARA STREET STATION	ALIGNMENT PLAN	General arrangement drawing changed from 3 No. to 5 No. skylights with updated landscape layout.
51		ML1-JAI-SRD-ROUT_XX-DR-Y-02078	TARA STREET STATION	STRUCTURES STREET LEVEL	Street level design drawing changed from 3 No. to 5 No. skylights with updated landscape layout.
52		ML1-JAI-SRD-ROUT_XX-DR-Y-02082	TARA STREET STATION	LONGITUDINAL SECTION	Longitudinal section drawing changed from 3 No. to 5 No. skylights.
53		ML1-JAI-URD-ROUT_XX-DR-Y-01090	METROLINK - UTILITY DIVERSION	BURGH QUAY TO PEARSE STREET	Utility drawing updated to show change from 3 No. to 5 No. skylights.
54		ML1-JAI-URD-ROUT_XX-DR-Y-02090	METROLINK - PROPOSED SURFACE DRAINAGE	BURGH QUAY TO PEARSE STREET	Utility Surface Water drawing updated to show change from 3 No. to 5 No. skylights.
55	<b>Mater Station</b> - Skylight height reduced to between 1.1m and 0.8m above ground level.	ML1-JAI-SRD-ROUT_XX-DR-Y-02066	MATER STATION	STREET LEVEL ELEVATION	Street level elevation showing skylights reduced in height.
56		ML1-JAI-SRD-ROUT_XX-DR-Y-02069	MATER STATION	LONGITUDINAL SECTION	Longitudinal section showing skylights reduced in height.
57		ML1-JAI-SRD-ROUT_XX-DR-Y-02070	MATER STATION	CROSS SECTION	Cross section showing skylights reduced in height.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by proposed change)

Item No.	Description of Change	Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
58	<b>O'Connell Street Station</b> - Station Railway Order application Structure's drawing plotting error rectified, station entrance updated to reflect architectural intent, additional street level elevation drawing added to reflect a no over site development scenario, and drawings updated to reflect trees on O'Connell Street will be retained.	ML1-JAI-SRD-ROUT_XX-DR-Y-02071	O'CONNELL STREET STATION	PROPOSED STREET LEVEL DESIGN	Drawing plotting error rectified to show footprint of station and drawing updated to reflect trees on O'Connell Street will be retained.
59		ML1-JAI-SRD-ROUT_XX-DR-Y-02072	O'CONNELL STREET STATION	STRUCTURES STREET LEVEL	O'Connell Street Station entrance updated to reflect architectural intent.
60		ML1-JAI-SRD-ROUT_XX-DR-Y-09017	O'CONNELL STREET STATION	STRUCTURES STREET LEVEL	New street level elevation drawing to reflect a no over site development scenario.
61		ML1-JAI-ARD-ROUT_XX-DR-Y-03088	METROLINK - GENERAL ARRANGEMENT	PARNELL STREET TO GPO BUILDINGS	Drawing updated to reflect trees on O'Connell Street will be retained.
62	<b>Charlemont Station</b> - parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM), drop-off and footway on Grand Parade widened, and property drawing updated to reflect agreement with landowners.	ML1-JAI-ARD-ROUT_XX-DR-Y-03095	METROLINK - GENERAL ARRANGEMENT	HATCH STREET LOWER TO GRANDE PARADE	General arrangement showing drop-off and footway on Grand Parade widened.
63		ML1-JAI-ARD-ROUT_XX-DR-Y-03096	METROLINK - GENERAL ARRANGEMENT	GRAND PARADE TO NORTHBROOK ROAD	General arrangement showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM) and drop-off and footway on Grand Parade widened.
64		ML1-JAI-SRD-ROUT_XX-DR-Z-02090	CHARLEMONT STATION	PROPOSED STREET LEVEL DESIGN	General arrangement showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM) and drop-off and footway on Grand Parade widened.
65		ML1-JAI-URD-ROUT_XX-DR-Y-02096	METROLINK - PROPOSED SURFACE DRAINAGE	GRAND PARADE TO NORTHBROOK ROAD	Utility Surface Water showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM).
66		ML1-JAI-BOR-ROUT_XX-DR-Y-01098	METRO LINK - PROPERTY DETAILS GRAND PARADE TO NORTHBROOK ROAD	GRAND PARADE TO NORTHBROOK ROAD	Property drawing updated to reflect agreement with landowners and additional landtake required for the drop-off on Grand Parade.
67	<b>Fosterstown</b> - Property folio split to reflect agreement with landowner.	ML1-JAI-BOR-ROUT_XX-DR-Y-01023	METRO LINK - PROPERTY DETAILS AIRSIDE SHOPPING CENTRE (SHEET 1 OF 2)	AIRSIDE SHOPPING CENTRE (SHEET 1 OF 2)	Property folio split to reflect agreement with landowner.
68	<b>Ballystruan Lane, Dardistown</b> - Revised rising main utility diversion design including amendment to MetroLink M50 viaduct north embankment.	ML1-JAI-ARD-ROUT_XX-DR-Y-03050	METROLINK - GENERAL ARRANGEMENT	BALLYMUN (SHEET 7 OF 11)	General arrangement showing amendment to MetroLink M50 viaduct north embankment to accommodate revised utility rising main design.
69		ML1-JAI-ARD-ROUT_XX-DR-Y-03055	METROLINK - GENERAL ARRANGEMENT	M50 JUNCTION 4	General arrangement showing amendment to MetroLink M50 viaduct north embankment to accommodate revised utility rising main design.
70		ML1-JAI-URD-ROUT_XX-DR-Y-01050	METRO LINK - UTILITY DIVERSION	BALLYMUN (SHEET 7 OF 11)	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.
71		ML1-JAI-URD-ROUT_XX-DR-Y-01052	METRO LINK - UTILITY DIVERSION	BALLYMUN (SHEET 9 OF 11)	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.
72		ML1-JAI-URD-ROUT_XX-DR-Y-01055	METRO LINK - UTILITY DIVERSION	M50 JUNCTION 4, BALLYMUN	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.
73		ML1-JAI-URD-ROUT_XX-DR-Y-02049	METROLINK - PROPOSED SURFACE DRAINAGE	BALLYMUN (SHEET 6 OF 11)	Utility Surface Water drawing showing amendment to MetroLink M50 viaduct embankment arising from agreement with Mouna
74		ML1-JAI-URD-ROUT_XX-DR-Y-02050	METROLINK - PROPOSED SURFACE DRAINAGE	BALLYMUN (SHEET 7 OF 11)	Utility Surface Water drawing showing amendment to MetroLink M50 viaduct north embankment arising from agreement with landowner.



**MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by proposed change)**

Item No.	Description of Change	Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
75	Seatown Pumping Station - Proposed discharge of pumping station emergency overflow to Ward River deleted and replaced, in agreement with Irish Water, with a connection to the Irish Water foul sewer in Estuary Road that in turn connects to an Irish Water waste water treatment plant.	ML1-JAI-URD-ROUT_XX-DR-Y-02011	METROLINK - PROPOSED SURFACE DRAINAGE	BALHEARY DEMESNE (SHEET 5 OF 5)	Proposed discharge of pumping station emergency overflow to Ward River deleted and replaced with connection to the Irish Water foul sewer in Estuary Road that in turn connects to an Irish Water waste water treatment plan.
76		ML1-JAI-URD-ROUT_XX-DR-Y-01011	METROLINK - UTILITY DIVERSION	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities drawing amended to show pumping station emergency overflow connection to the Irish Water foul sewer in Estuary Road that in turn connects to an Irish Water waste water treatment plant.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by discipline)

Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
ML1-JAI-ARD-ROUT_XX-DR-Y-01001	METROLINK - ALIGNMENT	LONG SECTION 1	Long section showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-ARD-ROUT_XX-DR-Y-01003	METROLINK - ALIGNMENT	LONG SECTION 3	Long section drawing showing replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-ARD-ROUT_XX-DR-Y-01018	METROLINK - ALIGNMENT	LONG SECTION 18	Alignment long section showing proposed lowered alignment between St Stephen's Green and Charlemont.
ML1-JAI-ARD-ROUT_XX-DR-Y-01019	METROLINK - ALIGNMENT	LONG SECTION 19	Alignment long section showing proposed lowered alignment between St Stephen's Green and Charlemont.
ML1-JAI-ARD-ROUT_XX-DR-Y-03009	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 3 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.
ML1-JAI-ARD-ROUT_XX-DR-Y-03010	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 4 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.
ML1-JAI-ARD-ROUT_XX-DR-Y-03011	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 5 OF 5)	General arrangement showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-ARD-ROUT_XX-DR-Y-03011	METROLINK - GENERAL ARRANGEMENT	BALHEARY DEMESNE (SHEET 5 OF 5)	General arrangement showing revised GAA pitch layout in Balheary Park.
ML1-JAI-ARD-ROUT_XX-DR-Y-03012	METROLINK - GENERAL ARRANGEMENT	SEATOWN (SHEET 1 OF 3)	General arrangement drawing showing the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-ARD-ROUT_XX-DR-Y-03022	METROLINK - GENERAL ARRANGEMENT	PINNOCK HILL ROUNDABOUT	General arrangement drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-ARD-ROUT_XX-DR-Y-03035	METROLINK - GENERAL ARRANGEMENT	DUBLIN AIRPORT (SHEET 5 OF 5)	Section A-A ventilation tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
ML1-JAI-ARD-ROUT_XX-DR-Y-03036	METROLINK - GENERAL ARRANGEMENT	BALLYSTRAUN (SHEET 1 OF 7)	Section A-A ventilation and emergency exit tunnel cross-sections changed to a circular profile reflecting proposed TBM construction methodology.
ML1-JAI-ARD-ROUT_XX-DR-Y-03050	METROLINK - GENERAL ARRANGEMENT	BALLYMUN (SHEET 7 OF 11)	General arrangement showing amendment to MetroLink M50 viaduct north embankment to accommodate revised utility rising main design.
ML1-JAI-ARD-ROUT_XX-DR-Y-03055	METROLINK - GENERAL ARRANGEMENT	M50 JUNCTION 4	General arrangement showing amendment to MetroLink M50 viaduct north embankment to accommodate revised utility rising main design.
ML1-JAI-ARD-ROUT_XX-DR-Y-03056	METROLINK - GENERAL ARRANGEMENT	OLD BALLYMUN ROAD (NORTH)	General arrangement drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
ML1-JAI-ARD-ROUT_XX-DR-Y-03057	METROLINK - GENERAL ARRANGEMENT	GULLIVER'S RETAIL PARK	General arrangement drawing showing revised roundabout design arising from agreement with landowner.
ML1-JAI-ARD-ROUT_XX-DR-Y-03076	METROLINK - GENERAL ARRANGEMENT	PROSPECT WAY TO ROYAL CANAL	General arrangement drawing showing changes noted by 'Description of Change'.
ML1-JAI-ARD-ROUT_XX-DR-Y-03088	METROLINK - GENERAL ARRANGEMENT	PARNELL STREET TO GPO BUILDINGS	Drawing updated to reflect trees on O'Connell Street will be retained.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by discipline)

Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
ML1-JAI-ARD-ROUT_XX-DR-Y-03090	METROLINK - GENERAL ARRANGEMENT	BURGH QUAY TO PEARSE STREET	General arrangement drawing changed from 3 No. to 5 No. skylights with updated landscape layout.
ML1-JAI-ARD-ROUT_XX-DR-Y-03091	METROLINK - GENERAL ARRANGEMENT	PEARSE STREET TO LEINSTER STREET SOUTH	General arrangement drawing now showing previously omitted in-tunnel underground pumping station.
ML1-JAI-ARD-ROUT_XX-DR-Y-03092	METROLINK - GENERAL ARRANGEMENT	LEINSTER ST SOUTH TO ST STEPHEN'S GREEN	General arrangement drawing now showing previously omitted in-tunnel underground pumping station.
ML1-JAI-ARD-ROUT_XX-DR-Y-03093	METROLINK - GENERAL ARRANGEMENT	SAINT STEPHEN'S GREEN	General arrangement drawing showing previously omitted part of Famine Memorial layout added to drawing.
ML1-JAI-ARD-ROUT_XX-DR-Y-03094	METROLINK - GENERAL ARRANGEMENT	ST. STEPHEN'S GREEN TO HATCH ST LOWER	Addition of new underground pumping station and lowering of tunnel in Section A-A to reflect lowered alignment between St Stephen's Green and Charlemont stations.
ML1-JAI-ARD-ROUT_XX-DR-Y-03095	METROLINK - GENERAL ARRANGEMENT	HATCH STREET LOWER TO GRANDE PARADE	Addition of new underground pumping station and lowering of tunnel in Section A-A to reflect lowered alignment between St Stephen's Green and Charlemont stations and drop-off and footway on Grand Parade widened.
ML1-JAI-ARD-ROUT_XX-DR-Y-03096	METROLINK - GENERAL ARRANGEMENT	GRANDE PARADE TO NORTHBROOK ROAD	General arrangement showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM) and drop-off and footway on Grand Parade widened.
ML1-JAI-ARL-SC01_XX-DR-Y-00002	ESTUARY- SEATOWN	LANDSCAPE LAYOUT	Landscape drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-ARL-SC01_XX-DR-Y-00003	ESTUARY - SEATOWN	LANDSCAPE LAYOUT	Landscape drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-ARL-SC03_XX-DR-Y-00006	SWORDS CENTRAL - FOSTERSTOWN	LANDSCAPE LAYOUT	General arrangement drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-ARL-SC07_GF-DR-X-00113	NORTHWOOD - BALLYMUN	LANDSCAPE LAYOUT	Landscape drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
ML1-JAI-ARL-SC07_GF-DR-Y-00114	NORTHWOOD - BALLYMUN	LANDSCAPE LAYOUT	Landscape drawing showing revised roundabout design arising from agreement with landowner.
ML1-JAI-SRD-MS11_XX-DR-Y-01001	METROLINK GLASNEVIN HEAVY RAIL	TRACK REALIGNMENT	Track Realignment drawing showing revised road junction layout. Includes: widened entrance, amended Prospect Road junction layout, changed surface treatment to delineate between tow path and Prospect Road footway, and relocation of two
ML1-JAI-SRD-ROUT_XX-DR-Y-01002	METROLINK - STRUCTURES SOUTH PORTAL	GENERAL ARRANGEMENT	Ventilation tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
ML1-JAI-SRD-ROUT_XX-DR-Y-01003	METROLINK - STRUCTURES SOUTH PORTAL VENTILATION AND EMERGENCY ACCESS	GENERAL ARRANGEMENT	Ventilation tunnel and emergency exit tunnel cross-section changed to a circular profile reflecting proposed TBM construction methodology.
ML1-JAI-SRD-ROUT_XX-DR-Y-02057	GLASNEVIN STATION	PROPOSED STREET LEVEL DESIGN	General arrangement drawing showing changes noted by 'Description of Change'.
ML1-JAI-SRD-ROUT_XX-DR-Y-02063	GLASNEVIN STATION	LONGITUDINAL SECTION	Longitudinal section showing change of use within Glasnevin Station entrance building from previous proposed retail unit to "Retail/Cafe/Community Use", including addition of mezzanine level with associated access (lift and stairs).
ML1-JAI-SRD-ROUT_XX-DR-Y-02066	MATER STATION	STREET LEVEL ELEVATION	Street level elevation showing skylights reduced in height.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by discipline)

Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
ML1-JAI-SRD-ROUT_XX-DR-Y-02069	MATER STATION	LONGITUDINAL SECTION	Longitudinal section showing skylights reduced in height.
ML1-JAI-SRD-ROUT_XX-DR-Y-02070	MATER STATION	CROSS SECTION	Cross section showing skylights reduced in height.
ML1-JAI-SRD-ROUT_XX-DR-Y-02071	O'CONNELL STREET STATION	PROPOSED STREET LEVEL DESIGN	Drawing plotting error rectified to show footprint of station and drawing updated to reflect trees on O'Connell Street will be retained.
ML1-JAI-SRD-ROUT_XX-DR-Y-02072	O'CONNELL STREET STATION	STRUCTURES STREET LEVEL	O'Connell Street Station entrance updated to reflect architectural intent.
ML1-JAI-SRD-ROUT_XX-DR-Y-09017	O'CONNELL STREET STATION	STRUCTURES STREET LEVEL	New street level elevation drawing to reflect a no over site development scenario.
ML1-JAI-SRD-ROUT_XX-DR-Y-02078	TARA STREET STATION	STRUCTURES STREET LEVEL	Street level design drawing changed from 3 No. to 5 No. skylights with updated landscape layout.
ML1-JAI-SRD-ROUT_XX-DR-Y-02082	TARA STREET STATION	LONGITUDINAL SECTION	Longitudinal section drawing changed from 3 No. to 5 No. skylights.
ML1-JAI-SRD-ROUT_XX-DR-Y-02084	ST. STEPHENS GREEN STATION	PROPOSED STREET LEVEL DESIGN	Street Level design drawing showing previously omitted part of Famine Memorial layout added to drawing and layout of HVM bollards revised.
ML1-JAI-SRD-ROUT_XX-DR-Y-02085	ST. STEPHENS GREEN STATION	STREET LEVEL ELEVATION	Street level elevation showing revised layout of HVM bollards.
ML1-JAI-SRD-ROUT_XX-DR-Z-02090	CHARLEMONT STATION	PROPOSED STREET LEVEL DESIGN	General arrangement showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM) and drop-off and footway on Grand Parade widened.
ML1-JAI-URD-ROUT_XX-DR-Y-01011	METROLINK - UTILITY DIVERSION	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-URD-ROUT_XX-DR-Y-01011	METROLINK - UTILITY DIVERSION	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities drawing amended to show pumping station emergency overflow connection to the Irish Water foul sewer in Estuary Road that in turn connects to an Irish Water waste water treatment plant.
ML1-JAI-URD-ROUT_XX-DR-Y-01012	METROLINK - UTILITY DIVERSION	SEATOWN (SHEET 1 OF 3)	Utilities drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-URD-ROUT_XX-DR-Y-01022	METROLINK - UTILITY DIVERSION	PINNOCK HILL ROUNDABOUT	Utilities drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-URD-ROUT_XX-DR-Y-01050	METRO LINK - UTILITY DIVERSION	BALLYMUN (SHEET 7 OF 11)	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.
ML1-JAI-URD-ROUT_XX-DR-Y-01052	METRO LINK - UTILITY DIVERSION	BALLYMUN (SHEET 9 OF 11)	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by discipline)

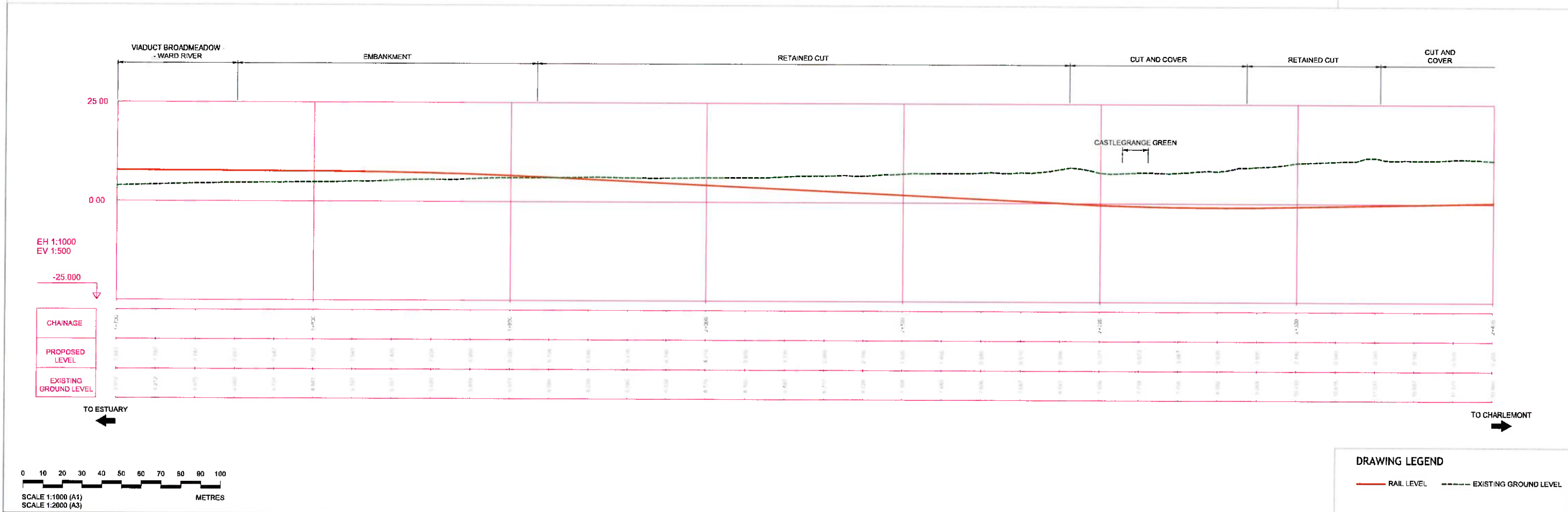
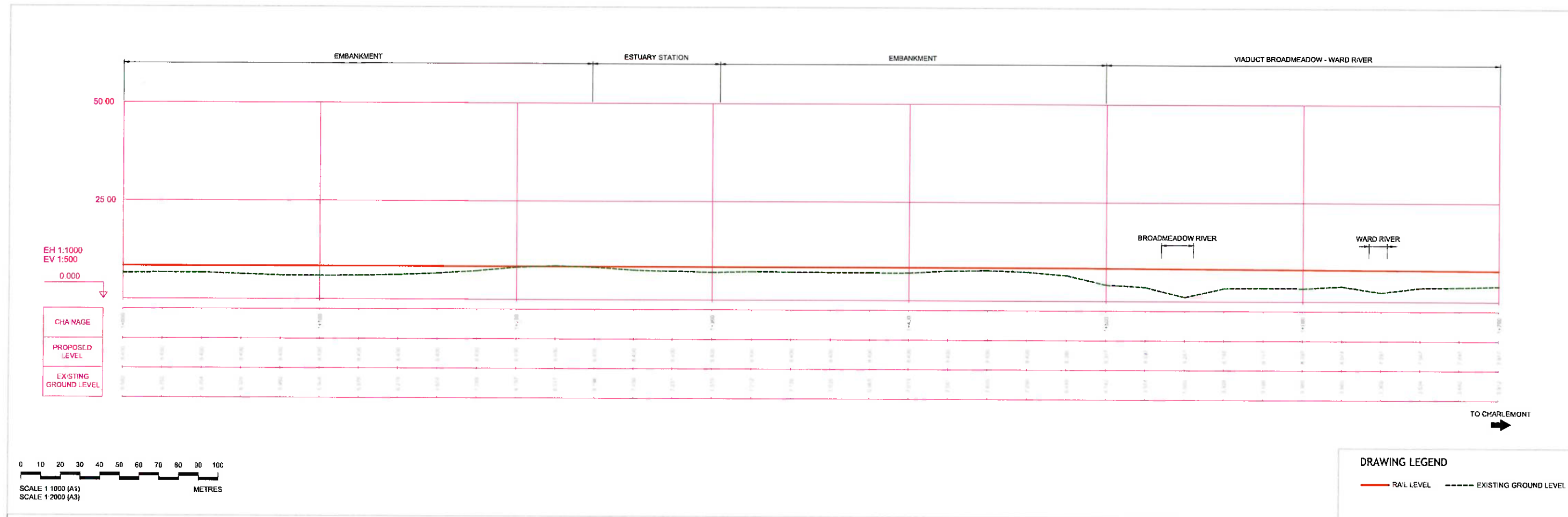
Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
ML1-JAI-URD-ROUT_XX-DR-Y-01055	METRO LINK - UTILITY DIVERSION	M50 JUNCTION 4, BALLYMUN	Utility drawing showing amendment to rising main diversion arising from agreement with landowner.
ML1-JAI-URD-ROUT_XX-DR-Y-01056	METRO LINK - UTILITY DIVERSION	OLD BALLYMUN ROAD (NORTH)	Utility drawing showing revised roundabout design arising from agreement with landowner.
ML1-JAI-URD-ROUT_XX-DR-Y-01057	METRO LINK - UTILITY DIVERSION	GULLIVER'S RETAIL PARK	Utility drawing showing revised roundabout design arising from agreement with landowner.
ML1-JAI-URD-ROUT_XX-DR-Y-01090	METROLINK - UTILITY DIVERSION	BURGH QUAY TO PEARSE STREET	Utility drawing updated to show change from 3 No. to 5 No. skylights.
ML1-JAI-URD-ROUT_XX-DR-Y-01091	METROLINK - UTILITY DIVERSION	PEARSE STREET TO LEINSTER STREET SOUTH	Utility drawing now showing previously omitted in-tunnel underground pumping station.
ML1-JAI-URD-ROUT_XX-DR-Y-01092	METROLINK - UTILITY DIVERSION	LEINSTER STREET SOUTH TO SAINT STEPHEN'S GREEN	Utility drawing now showing previously omitted in-tunnel underground pumping station.
ML1-JAI-URD-ROUT_XX-DR-Y-01094	METROLINK - UTILITY DIVERSION	SAINT STEPHEN'S GREEN TO HATCH STREET LOWER	Addition of new underground pumping station to accommodate lowered alignment between St Stephen's Green and Charlemont stations.
ML1-JAI-URD-ROUT_XX-DR-Y-01095	METROLINK - UTILITY DIVERSION	HATCH STREET LOWER TO GRANDE PARADE	Addition of new underground pumping station to accommodate lowered alignment between St Stephen's Green and Charlemont stations.
ML1-JAI-URD-ROUT_XX-DR-Y-02011	METROLINK - PROPOSED SURFACE DRAINAGE	BALHEARY DEMESNE (SHEET 5 OF 5)	Utilities Surface Water drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-URD-ROUT_XX-DR-Y-02011	METROLINK - PROPOSED SURFACE DRAINAGE	BALHEARY DEMESNE (SHEET 5 OF 5)	Proposed discharge of pumping station emergency overflow to Ward River deleted and replaced with connection to the Irish Water foul sewer in Estuary Road that in turn connects to an Irish Water waste water treatment plan.
ML1-JAI-URD-ROUT_XX-DR-Y-02012	METROLINK - PROPOSED SURFACE DRAINAGE	SEATOWN (SHEET 1 OF 3)	Utilities Surface Water drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-URD-ROUT_XX-DR-Y-02022	METROLINK - PROPOSED SURFACE DRAINAGE	PINNOCK HILL ROUNDABOUT	Utilities Surface Water drawing showing revised property access arrangements and replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-URD-ROUT_XX-DR-Y-02049	METROLINK - PROPOSED SURFACE DRAINAGE	BALLYMUN (SHEET 6 OF 11)	Utility Surface Water drawing showing amendment to MetroLink M50 viaduct embankment arising from agreement with Mouna
ML1-JAI-URD-ROUT_XX-DR-Y-02050	METROLINK - PROPOSED SURFACE DRAINAGE	BALLYMUN (SHEET 7 OF 11)	Utility Surface Water drawing showing amendment to MetroLink M50 viaduct north embankment arising from agreement with landowner.
ML1-JAI-URD-ROUT_XX-DR-Y-02056	METROLINK - PROPOSED SURFACE DRAINAGE	OLD BALLYMUN ROAD (NORTH)	Utilities Surface Water drawing showing amendments of entrance to Santry Lodge arising from agreement with FCC.
ML1-JAI-URD-ROUT_XX-DR-Y-02057	METROLINK - PROPOSED SURFACE DRAINAGE	GULLIVER'S RETAIL PARK	Utility Surface Water drawing showing revised roundabout design arising from agreement with landowner.



## MetroLink Oral Hearing - Railway Order Application Drawing Updates (grouped by discipline)

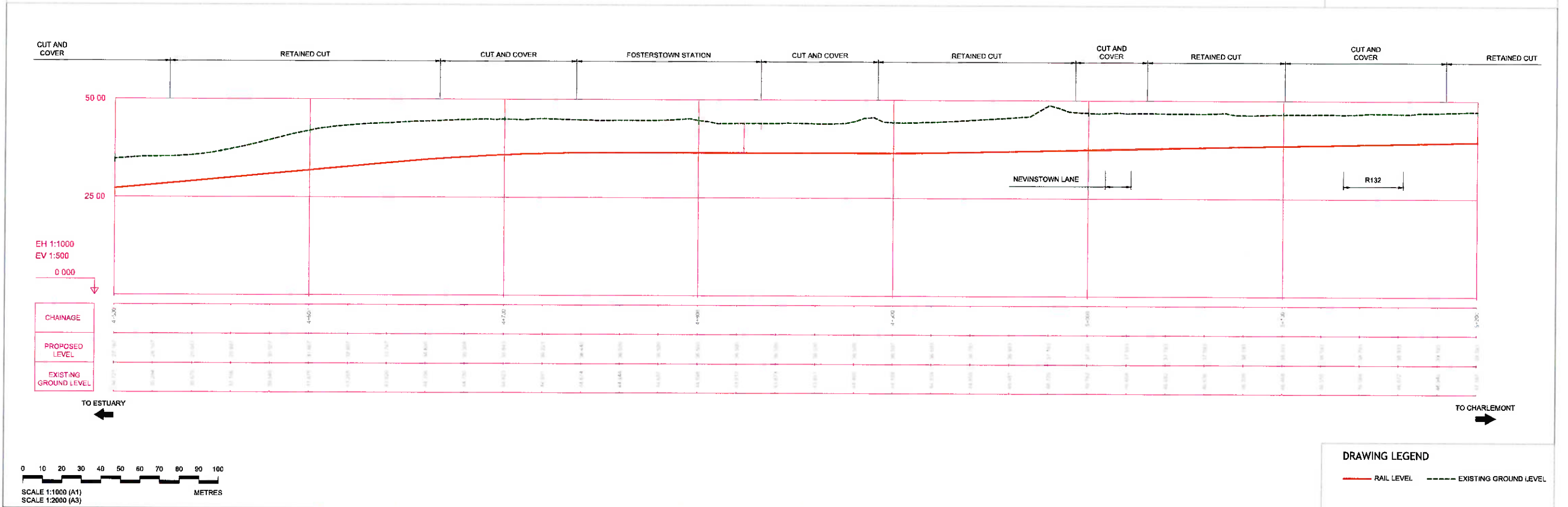
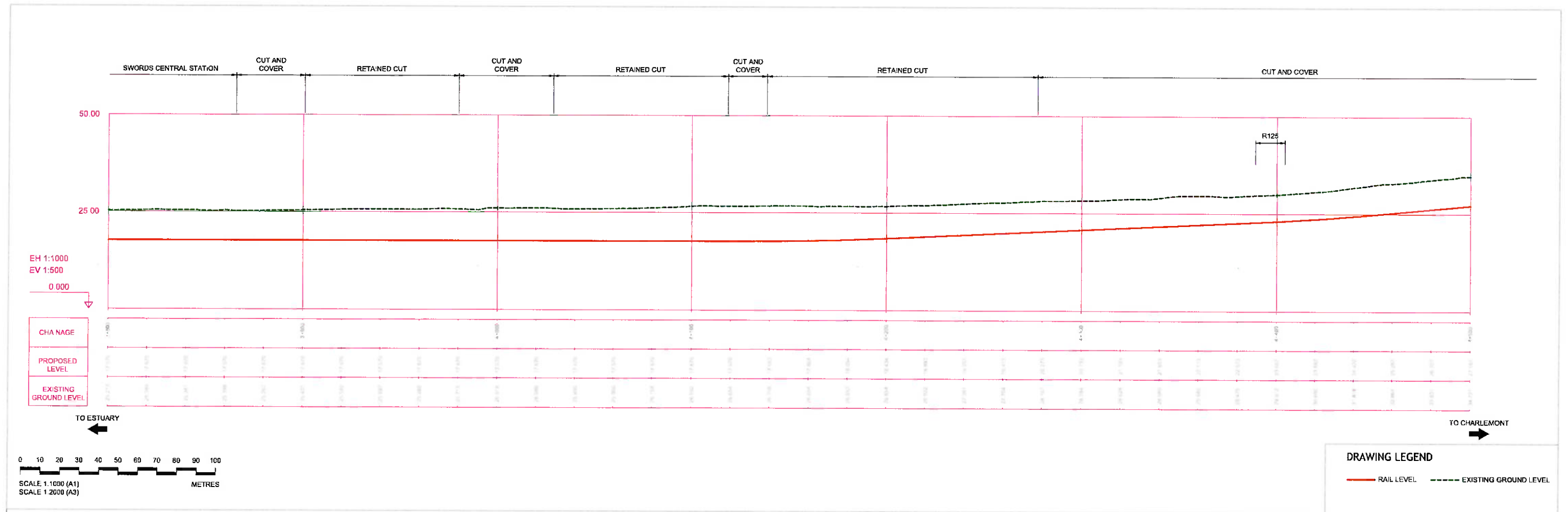
Drawing Number	Drawing Title		Details of Change(s) Made to Drawing
ML1-JAI-URD-ROUT_XX-DR-Y-02090	METROLINK - PROPOSED SURFACE DRAINAGE	BURGH QUAY TO PEARSE STREET	Utility Surface Water drawing updated to show change from 3 No. to 5 No. skylights.
ML1-JAI-URD-ROUT_XX-DR-Y-02093	METROLINK - PROPOSED SURFACE DRAINAGE	SAINT STEPHEN'S GREEN	Utility Surface Water drawing showing revised payout of HVM bollards.
ML1-JAI-URD-ROUT_XX-DR-Y-02096	METROLINK - PROPOSED SURFACE DRAINAGE	GRAND PARADE TO NORTHBROOK ROAD	Utility Surface Water showing parking layout on internal access road connecting Dartmouth Road and Grand Parade revised to 14 spaces (including two PRM).
ML1-JAI-BOR-ROUT_XX-DR-Y-01012	METRO LINK - PROPERTY DETAILS	SEATOWN (SHEET 1 OF 3)	Property drawing incorporating the extended cut and cover tunnel that replaces the previous section of open retained cut at Seatown Villas.
ML1-JAI-BOR-ROUT_XX-DR-Y-01022	METRO LINK - PROPERTY DETAILS	PINNOCK HILL ROUNDABOUT	Property drawing reflecting replacement of 50m of retained open cut with cut and cover tunnel.
ML1-JAI-BOR-ROUT_XX-DR-Y-01023	METRO LINK - PROPERTY DETAILS	AIRSIDE SHOPPING CENTRE (SHEET 1 OF 2)	Property folio split to reflect agreement with landowner.
ML1-JAI-BOR-ROUT_XX-DR-Y-01098	METRO LINK - PROPERTY DETAILS	GRAND PARADE TO NORTHBROOK ROAD	Property drawing updated to reflect agreement with landowners and additional landtake required for the drop-off on Grand Parade.





	<table><tr><td>REV</td><td>DATE</td><td>Description</td></tr><tr><td>P01</td><td>07/07/21</td><td>For Railway Order</td></tr><tr><td>P02</td><td>21/12/21</td><td>For Railway Order</td></tr><tr><td>P03</td><td>13/04/23</td><td>For Railway Order</td></tr><tr><td>P04</td><td>15/03/24</td><td>For Railway Order</td></tr><tr><td>REV</td><td>DATE</td><td>Description</td></tr></table>	REV	DATE	Description	P01	07/07/21	For Railway Order	P02	21/12/21	For Railway Order	P03	13/04/23	For Railway Order	P04	15/03/24	For Railway Order	REV	DATE	Description	<table><tr><td>JD</td><td>JR</td><td>RS</td><td>NC</td></tr><tr><td>BJ</td><td>RS</td><td>AS</td><td>NC</td></tr><tr><td>DT</td><td>MC</td><td>JB</td><td>PB</td></tr><tr><td>JM</td><td>MM</td><td>AS</td><td>PB</td></tr></table> <p>DRAWN BY CHECKED BY REVIEWED BY APPROVED BY</p>	JD	JR	RS	NC	BJ	RS	AS	NC	DT	MC	JB	PB	JM	MM	AS	PB	<p>Client</p> <p></p> <p>Project</p> <p></p>	<p>Drawing Title</p> <p>METROLINK - ALIGNMENT LONG SECTION 1</p>	<p>Drawing Status</p> <p>S0</p>
	REV	DATE	Description																																				
	P01	07/07/21	For Railway Order																																				
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		<p>Consultant</p> <p></p>	<p>Drawing N°</p> <p>ML1-JAI-ARD-ROUT_XX-DR-Y-01001</p>	<p>Plan Drawing N°</p> <p>ML-LN O-01</p>	<p>Scales Original Size A1 1:1000</p>	<p>Sheet 1 of 19</p>																																	





REV	DATE	DESCRIPTION	JO	JR	RS	NC
P01	28/07/21	For Railway Order	BJ	RS	AS	NC
P02	21/12/21	For Railway Order	DT	MC	JB	PB
P03	13/04/23	For Railway Order	JM	MM	AS	PB
P04	15/03/24	For Railway Order				
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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All elevations are in metres and refer to OSI Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Control.

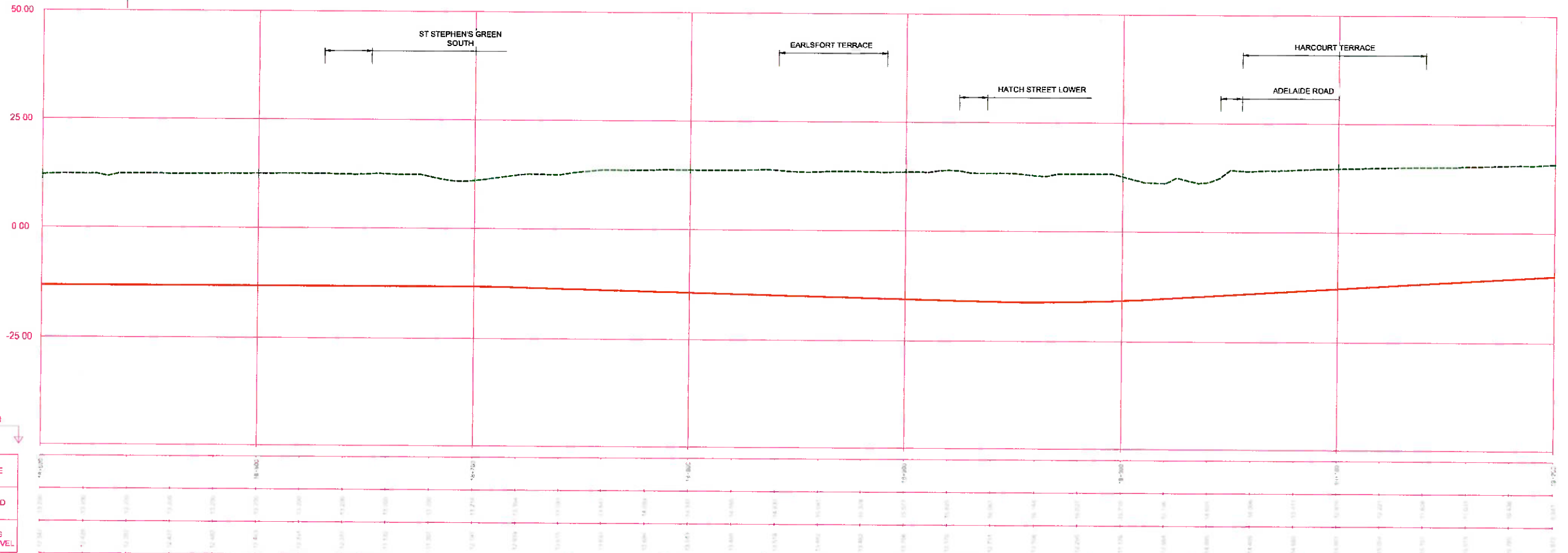
All Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI online GPS station Height Collage (TII-Q).

Client	Project	Drawing Title	Drawing Status
TII NTA Miles National Transport Authority	METROLINK	METROLINK - ALIGNMENT LONG SECTION 3	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-01003	ML-LN O-Q3	
	Scales Original Size A1 1:1000	Sheet 3 of 19	



ST STEPHENS GREEN STATION

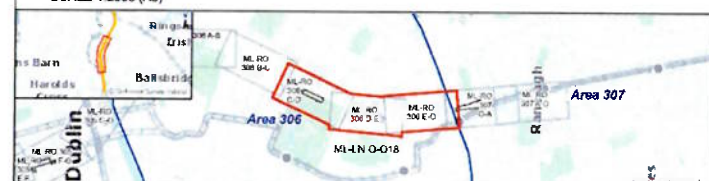
TBM



0 10 20 30 40 50 60 70 80 90 100  
SCALE 1:1000 (A1)  
SCALE 1:2000 (A3)  
METRES

DRAWING LEGEND

— RAIL LEVEL — EXISTING GROUND LEVEL



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	28/07/21	For Railway Order	JD	JR	RS	NC
P02	21/12/21	For Railway Order	BJ	RS	AS	NC
P03	12/05/22	For Railway Order	BJ	JR	AS	PB
P04	05/03/24	For Railway Order	JM	JB	JB	PB

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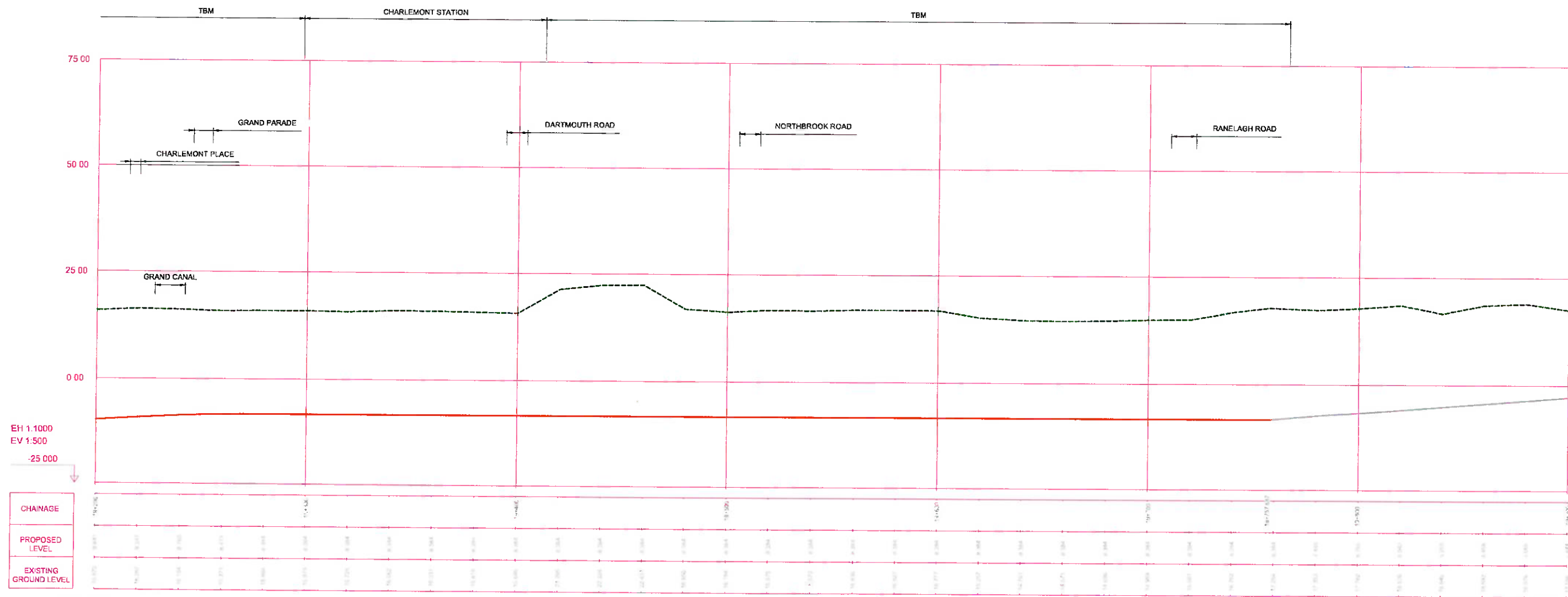
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All elevations are in metres and relate to OSl Geoid Model (OSGM02). Mean Sea Level as defined by existing Project Corridor.

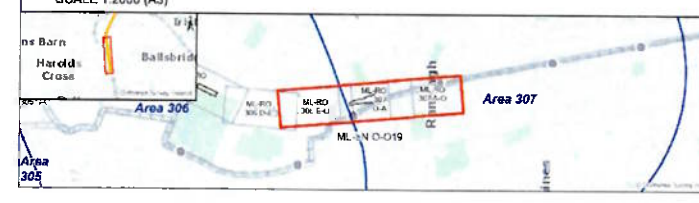
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Client	Project	Drawing Title	Drawing Status
TII NTA Transport Infrastructure Ireland National Transport Authority	METROLINK	METROLINK - ALIGNMENT LONG SECTION 18	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-01018	ML-LN O-018	
	Scales Original Size A1 1:1000		Sheet 18 of 19





DRAWING LEGEND	
<span style="color: red;">—</span>	RAIL LEVEL
<span style="color: green;">---</span>	EXISTING GROUND LEVEL



PD1	28/07/21	For Railway Order	JD	JR	RS	NC
PD2	21/12/21	For Railway Order	BJ	RS	AS	NC
PD3	12/05/22	For Railway Order	BJ	JR	AS	PB
PD4	05/03/24	For Railway Order	JM	JB	JB	PB
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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© Ordnance Survey Ireland 2021/1 OSI_NMA_273						
All elevations are in metres and relate to OSGD02 Main Head as defined by existing Project Convo.						
All coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active GPS station Tallaght College (T110).						

Client	Project	Drawing Title	Drawing Status
		METROLINK - ALIGNMENT LONG SECTION 19	S0
Consultant	Drawing N°	Plan Drawing N°	
	ML1-JAI-ARD-ROUT_XX-DR-Y-01019	ML-LN O-019	
	Scales Original Size A1 1:1000		Sheet 19 of 19

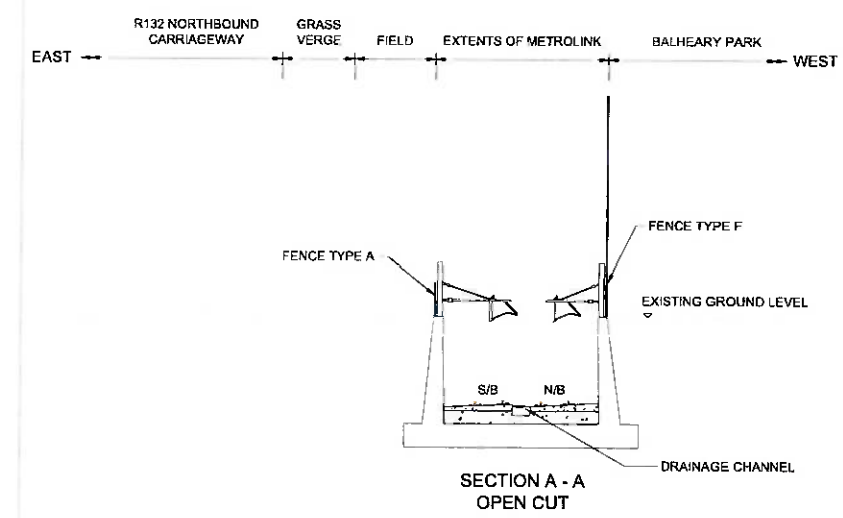




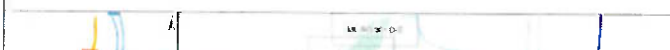













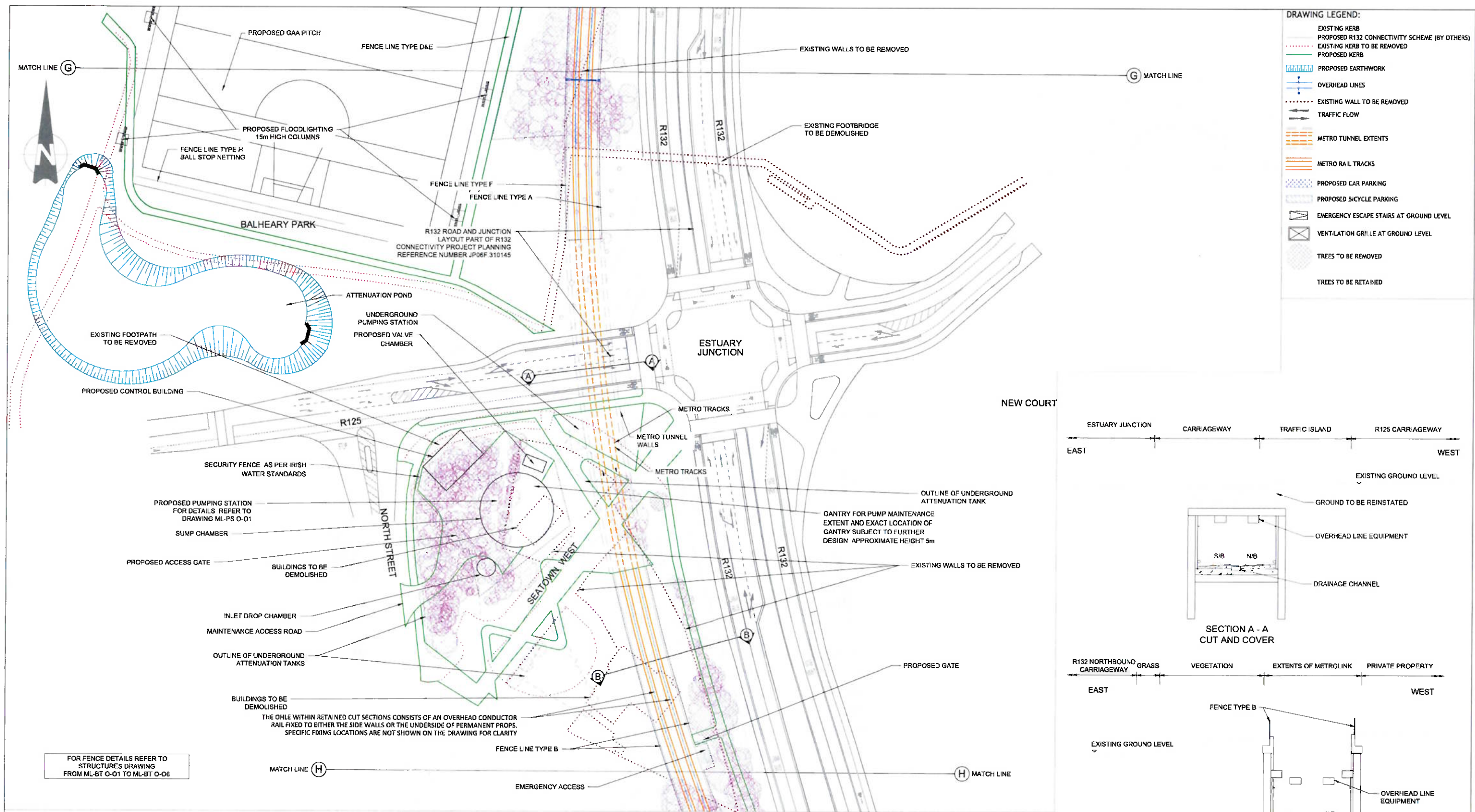
- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED R132 CONNECTIVITY SCHEME (BY OTHERS)
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - EXISTING WALL TO BE REMOVED
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED



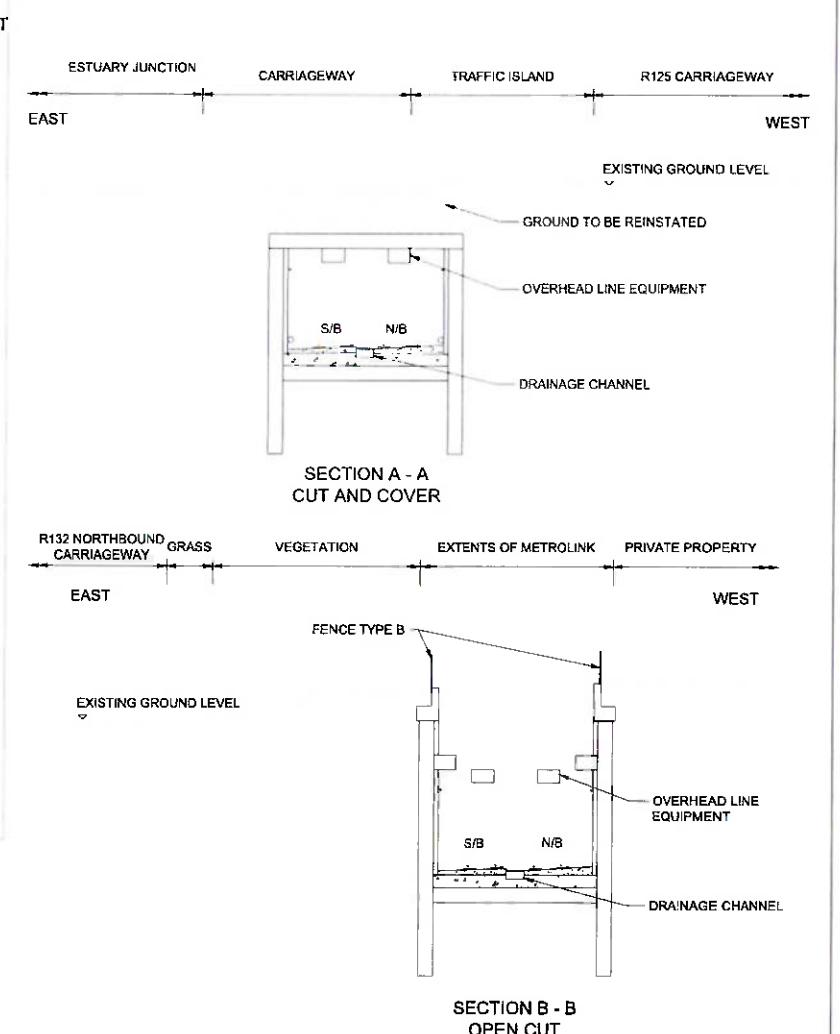
- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)

	<table><tr><td>PD2</td><td>10/11/21</td><td>For Railway Order</td><td>JR</td><td>RS</td><td>AS</td><td>NC</td></tr><tr><td>PD3</td><td>18/08/22</td><td>For Railway Order</td><td>OG</td><td>MM</td><td>MM</td><td>PS</td></tr><tr><td>PD4</td><td>12/04/23</td><td>For Railway Order</td><td>MM</td><td>AS</td><td>AS</td><td>PS</td></tr><tr><td>PD5</td><td>15/03/24</td><td>For Railway Order</td><td>JM</td><td>MM</td><td>AS</td><td>PS</td></tr><tr><td>REV</td><td>DATE</td><td>Description</td><td>DRAWN BY</td><td>CHECKED BY</td><td>REVIEWED BY</td><td>APPROVED BY</td></tr></table>	PD2	10/11/21	For Railway Order	JR	RS	AS	NC	PD3	18/08/22	For Railway Order	OG	MM	MM	PS	PD4	12/04/23	For Railway Order	MM	AS	AS	PS	PD5	15/03/24	For Railway Order	JM	MM	AS	PS	REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY	<table><tr><td>Client</td><td></td></tr><tr><td>Consultant</td><td></td></tr></table>	Client		Consultant		<table><tr><td>Project</td><td></td></tr></table>	Project		<table><tr><td>Drawing Title</td><td>METROLINK - GENERAL ARRANGEMENT BALHEARY DEMESNE (SHEET 4 OF 5)</td><td>Drawing Status</td><td>S1</td></tr></table>	Drawing Title	METROLINK - GENERAL ARRANGEMENT BALHEARY DEMESNE (SHEET 4 OF 5)	Drawing Status	S1
	PD2	10/11/21	For Railway Order	JR	RS	AS	NC																																										
	PD3	18/08/22	For Railway Order	OG	MM	MM	PS																																										
PD4	12/04/23	For Railway Order	MM	AS	AS	PS																																											
PD5	15/03/24	For Railway Order	JM	MM	AS	PS																																											
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Drawing N°	ML1-JAI-ARD-ROUT_XX-DR-Y-03010	Plan Drawing N°	ML-RO 301 F-G																																														
		<table><tr><td>Scales Original Size A1</td><td>AS SHOWN</td><td>Sheet</td><td>1 of 1</td></tr></table>	Scales Original Size A1	AS SHOWN	Sheet	1 of 1																																											
Scales Original Size A1	AS SHOWN	Sheet	1 of 1																																														





- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED R132 CONNECTIVITY SCHEME (BY OTHERS)
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - EXISTING WALL TO BE REMOVED
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - PROPOSED CAR PARKING
  - PROPOSED BICYCLE PARKING
  - EMERGENCY ESCAPE STAIRS AT GROUND LEVEL
  - VENTILATION GRILLE AT GROUND LEVEL
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED



0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P03	18/08/22	For Railway Order	MM	MM	MM	PB
P04	12/04/23	For Railway Order	MM	AS	AS	PB
P05	11/03/24	For Railway Order	JM	AS	AS	PB
P06	20/03/24	For Railway Order	JM	MM	AS	PB

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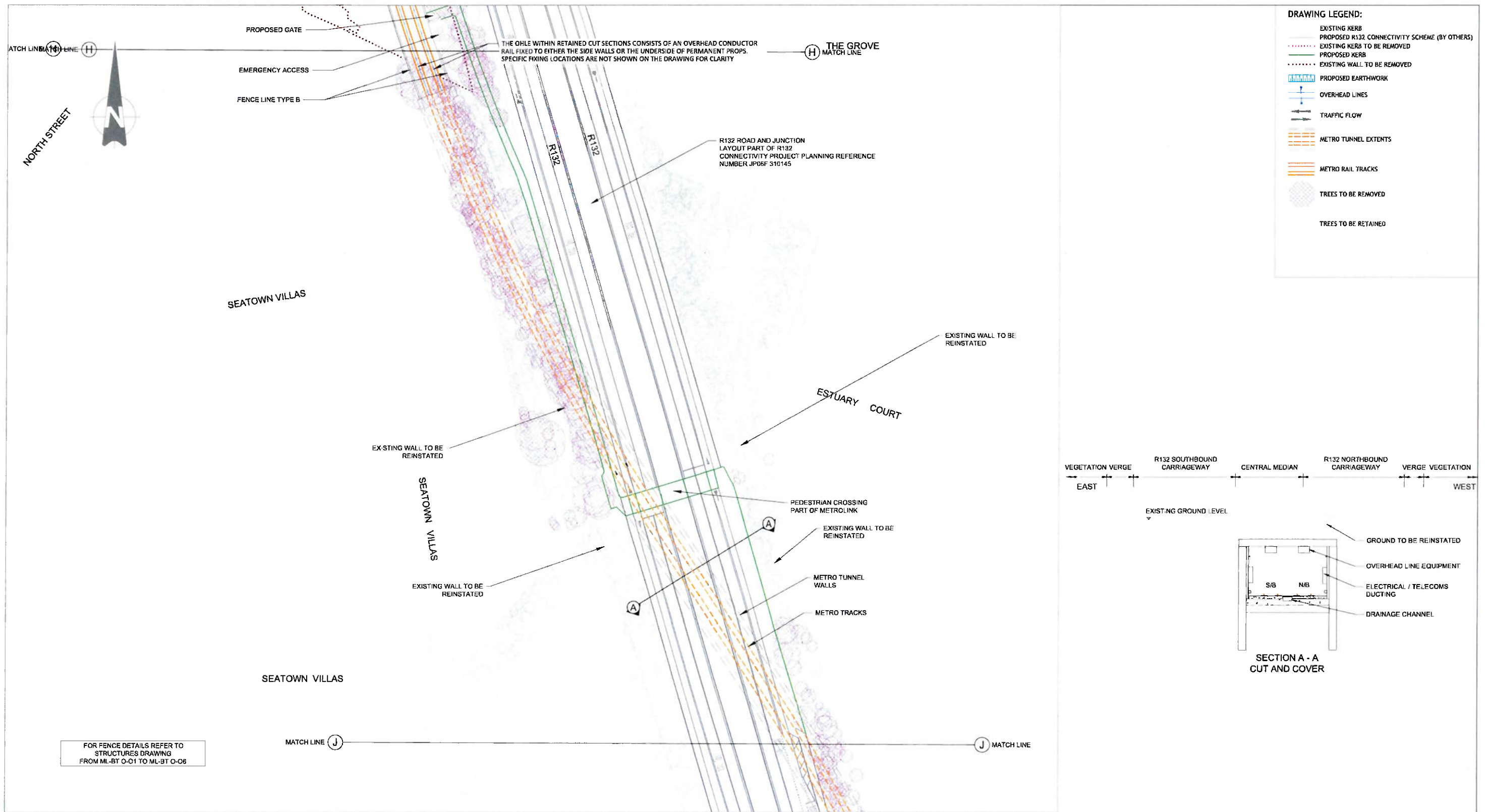
© Ordnance Survey Ireland 2022. OSN: HMA 273

A: elevations are in metres and relate to OSN Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Centre

A: Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSN active OP6 station T4, 49th Co. (1,000)

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - GENERAL ARRANGEMENT BALHEARY DEMESNE (SHEET 5 OF 5)	S1
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-03011	ML-RO 301 G-H	
	Scales Original Size A1 AS SHOWN		Sheet 1 of 1





0

10

20

30

40

50

SCALE 1:500 (A1)  
SCALE 1:1000 (A3)

METRES

NOTES:  
1. FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)  
2. FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)  
3. FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)

0

5

10

20

SCALE 1:200 (A1)  
SCALE 1:400 (A3)

METRES

P02	10/11/21	For Railway Order	JR	RS	AS	NC
P03	20/03/22	For Railway Order	BJ	JR	AS	PS
P04	12/04/23	For Railway Order	OD	MM	MM	PS
P05	20/03/24	For Railway Order	JM	MM	AS	PS
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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All elevations are in metres and relate to OSG 4000 Mode (OSGM02) M in head as defined by existing Project Centre

All coordinates are in north Transverse Mercator Grid (TM) as defined by OSG active GPS station T- right Co- ordinate (T...G)

Client

TIV

NTA

Queens National Transport Authority

Project

METROLINK

Consultant

JACOBS

IDOM

Drawing Title

METROLINK - GENERAL ARRANGEMENT  
SEATOWN  
(SHEET 1 OF 3)

Drawing Status

S1

Drawing N°

ML1-JAI-ARD-ROUT\_XX-DR-Y-03012

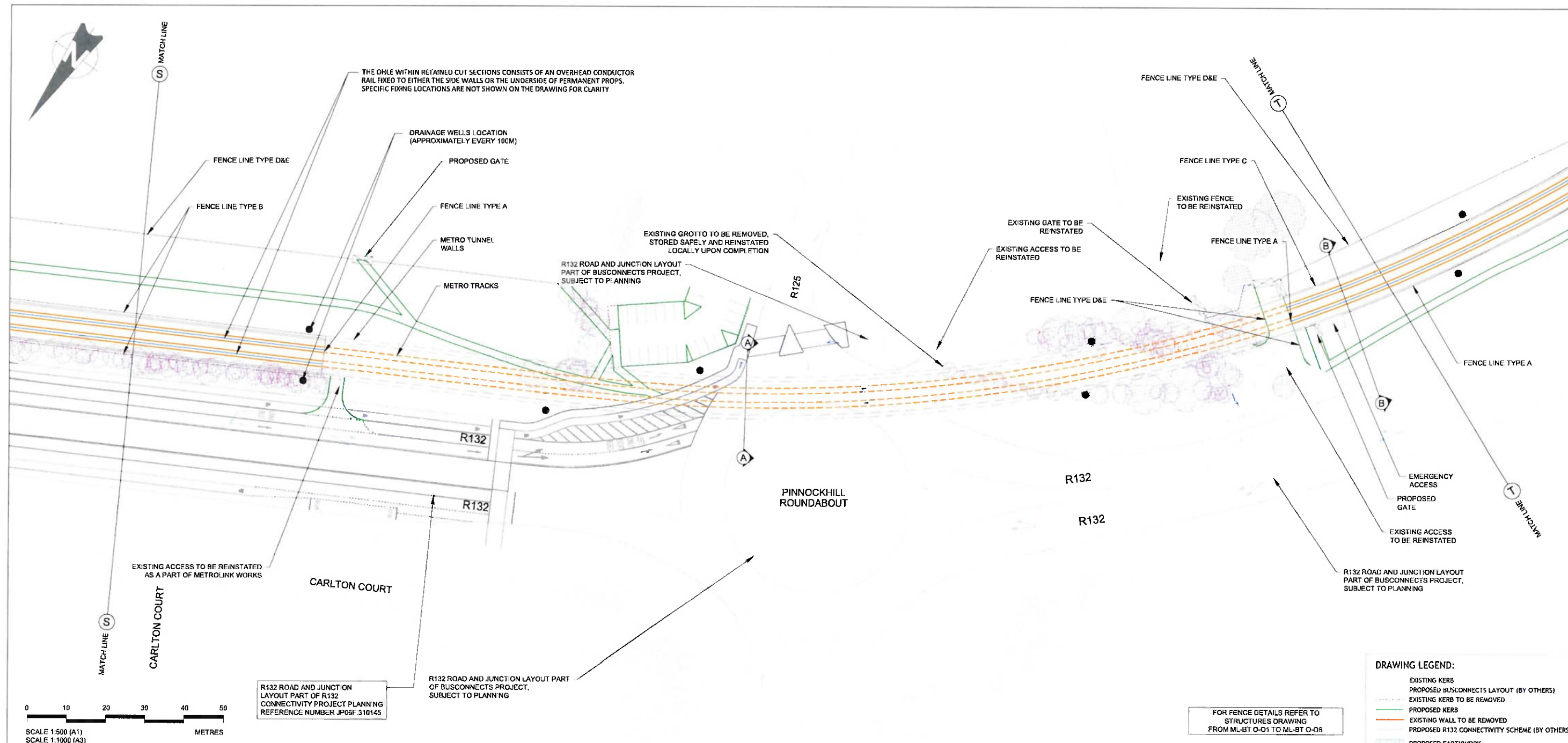
Plan Drawing N°

ML-RO 301 H-J

Scales Original Size A1 AS SHOWN

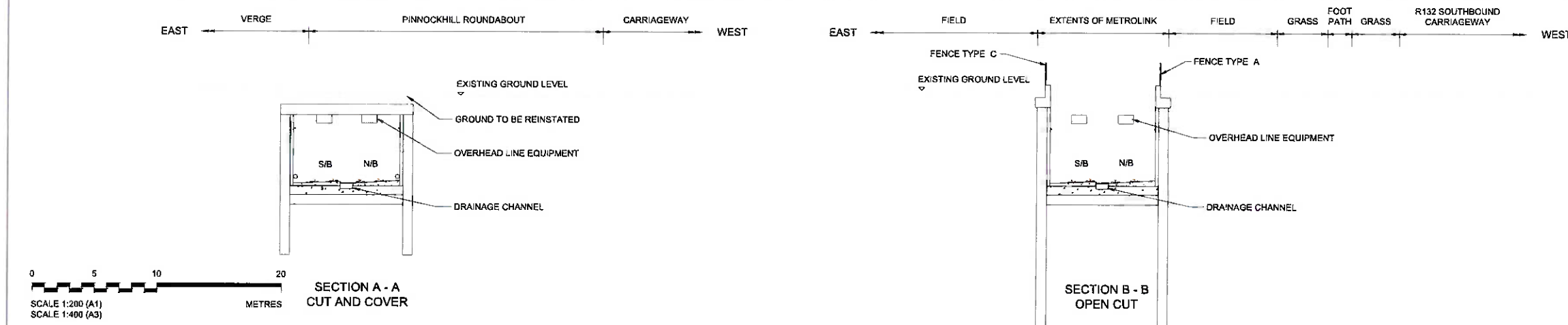
Sheet 1 of 1





















- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED BUSCONNECTS LAYOUT (BY OTHERS)
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - EXISTING WALL TO BE REMOVED
  - PROPOSED R132 CONNECTIVITY SCHEME (BY OTHERS)
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)

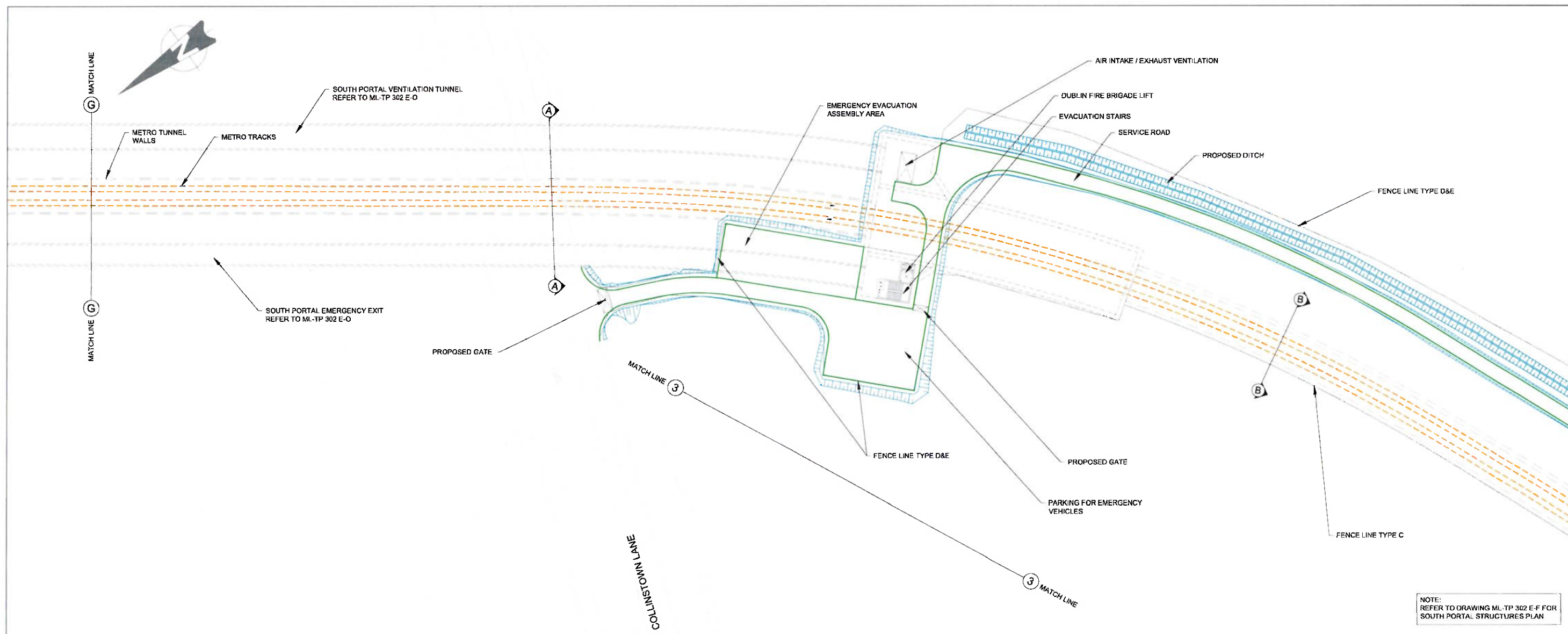


 <p>Area 301</p>	<table><tr><td>P03</td><td>20/06/22</td><td>For Railway Order</td><td>BU</td><td>JR</td><td>AS</td><td>PB</td></tr><tr><td>P04</td><td>18/08/22</td><td>For Railway Order</td><td>GO</td><td>MM</td><td>MM</td><td>PB</td></tr><tr><td>P05</td><td>12/04/23</td><td>For Railway Order</td><td>MM</td><td>AS</td><td>AS</td><td>PB</td></tr><tr><td>P06</td><td>15/03/24</td><td>For Railway Order</td><td>JM</td><td>MM</td><td>AS</td><td>PB</td></tr></table> <p>REV. DATE Description DRAWN BY CHECKED BY REVIEWED BY APPROVED BY</p> <p>© National Roads Authority (NRA) 1994-2022. This drawing is confidential and the copyright in it is owned by NRA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NRA. Transport Infrastructure Ireland (TII) is an operational name of the National Roads Authority.</p> <p>© Ordnance Survey Ireland 2022/23, NMA, 273</p> <p>All elevations are in metres and relate to OSB Grid Mode (OSBM02). Main Head as defined by existing Project Control.</p> <p>All coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSB active GPS station Tx Light Co. (TLC-0).</p>	P03	20/06/22	For Railway Order	BU	JR	AS	PB	P04	18/08/22	For Railway Order	GO	MM	MM	PB	P05	12/04/23	For Railway Order	MM	AS	AS	PB	P06	15/03/24	For Railway Order	JM	MM	AS	PB	<table><tr><td>Client</td><td></td><td>Project</td><td></td></tr><tr><td>Consultant</td><td></td><td>Drawing N°</td><td>ML1-JAI-ARO-ROUT_XX-DR-Y-03022</td></tr><tr><td></td><td></td><td>Plan Drawing N°</td><td>ML-RO-301 S-T</td></tr><tr><td></td><td></td><td>Scales Original Size A1 AS SHOWN</td><td></td></tr><tr><td></td><td></td><td>Sheet 1 of 1</td><td></td></tr></table>	Client	 	Project		Consultant	 	Drawing N°	ML1-JAI-ARO-ROUT_XX-DR-Y-03022			Plan Drawing N°	ML-RO-301 S-T			Scales Original Size A1 AS SHOWN				Sheet 1 of 1	
	P03	20/06/22	For Railway Order	BU	JR	AS	PB																																											
	P04	18/08/22	For Railway Order	GO	MM	MM	PB																																											
	P05	12/04/23	For Railway Order	MM	AS	AS	PB																																											
P06	15/03/24	For Railway Order	JM	MM	AS	PB																																												
Client	 	Project																																																
Consultant	 	Drawing N°	ML1-JAI-ARO-ROUT_XX-DR-Y-03022																																															
		Plan Drawing N°	ML-RO-301 S-T																																															
		Scales Original Size A1 AS SHOWN																																																
		Sheet 1 of 1																																																



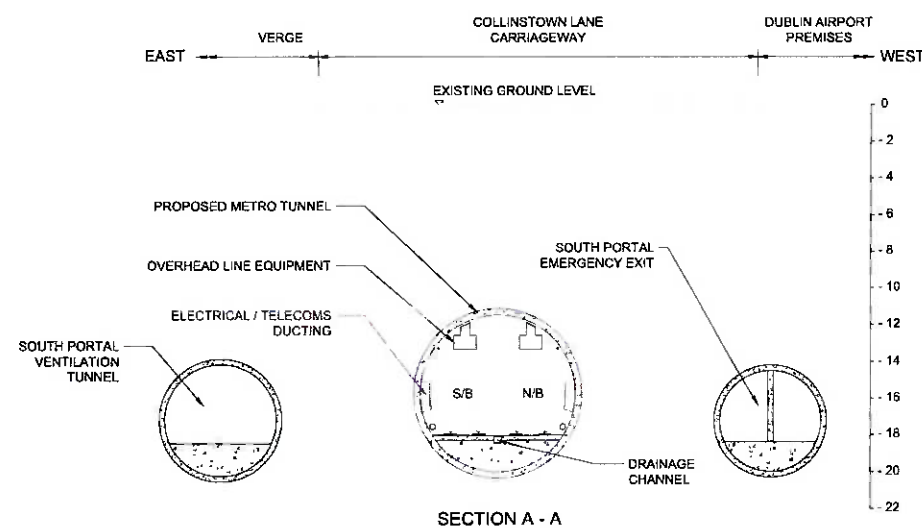




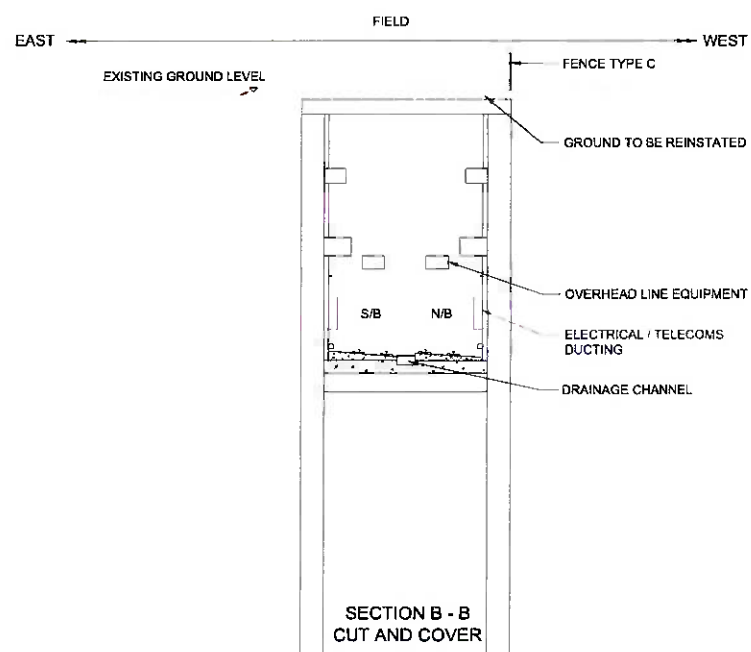


NOTE:  
REFER TO DRAWING ML-TP 302 E-F FOR  
SOUTH PORTAL STRUCTURES PLAN

0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES



0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES



- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED
  - PROPOSED KERB

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.).
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P).
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN).



REV	DATE	DESCRIPTION	JR	RS	AS	NC
P02	22/11/21	For Railway Order	JR	RS	AS	NC
P03	20/05/22	For Railway Order	BJ	JR	AS	PB
P04	12/04/23	For Railway Order	GB	MM	MM	PB
P05	27/02/24	For Railway Order	JM	JB	JB	PB
DRAWN BY			CHECKED BY	REVIEWED BY	APPROVED BY	

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A: elevations are in metres and relate to OSI Grid Mode (OSGM02) Mean Sea Level as defined by existing Project Control.

A: Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI and by GPS station Targeting Centre (T...01)

Client	Project	Drawing Title	Drawing Status
TII NTA Dublin National Transport Authority	METROLINK	METROLINK - GENERAL ARRANGEMENT BALLYSTRAUN (SHEET 1 OF 7)	S1
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-03036	ML-RO 302 G-O	
	Scales Original Size A1 AS SHOWN		Sheet 1 of 1





FOR FENCE DETAILS REFER TO  
STRUCTURES DRAWING  
FROM ML-BT 0-01 TO ML-BT 0-06

MATCH LINE (G) MATCH LINE

METRO TUNNEL WALL  
FENCE LINE TYPE C  
METRO TRACKS

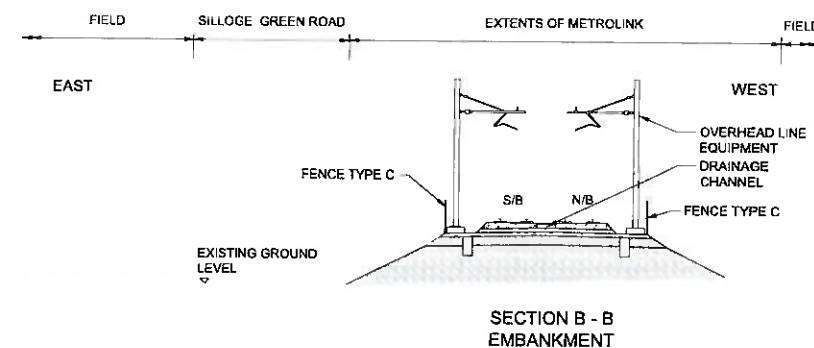
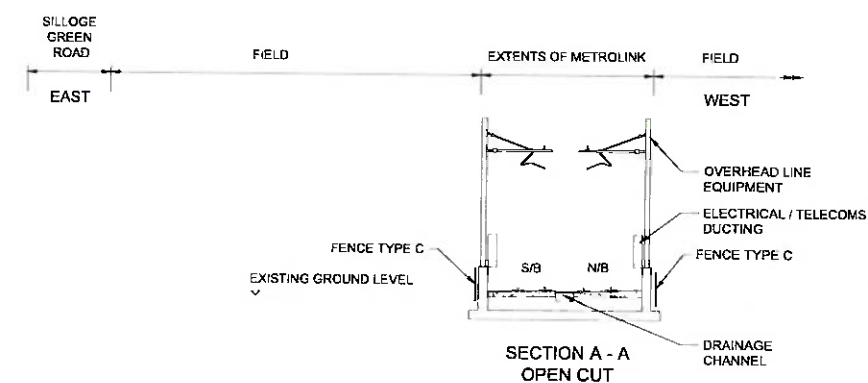
M50 VIADUCT REFER TO  
ML-VR 303 G-J

MATCH LINE (H) MATCH LINE

0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

#### DRAWING LEGEND:

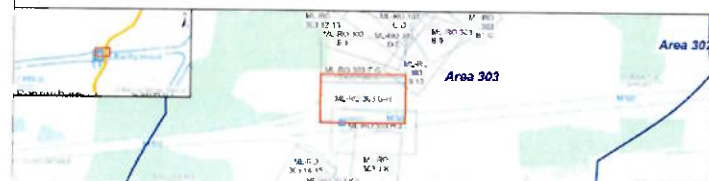
- EXISTING KERB
- PROPOSED EARTHWORK
- OVERHEAD LINES
- TRAFFIC FLOW
- METRO TUNNEL EXTENTS
- METRO RAIL TRACKS
- TREES TO BE REMOVED
- TREES TO BE RETAINED



0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES

#### NOTES:

- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
- FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
- FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	Description	SS	RS	RS	NC
P01	23/07/21	For Railway Order	JR	RS	AS	NC
P02	30/11/21	For Railway Order	BL	JR	AS	PB
P03	18/05/22	For Railway Order	JM	NM	AS	PB
P04	17/03/24	For Railway Order				
DRAWN BY			CHECKED BY		REVIEWED BY	
					APPROVED BY	

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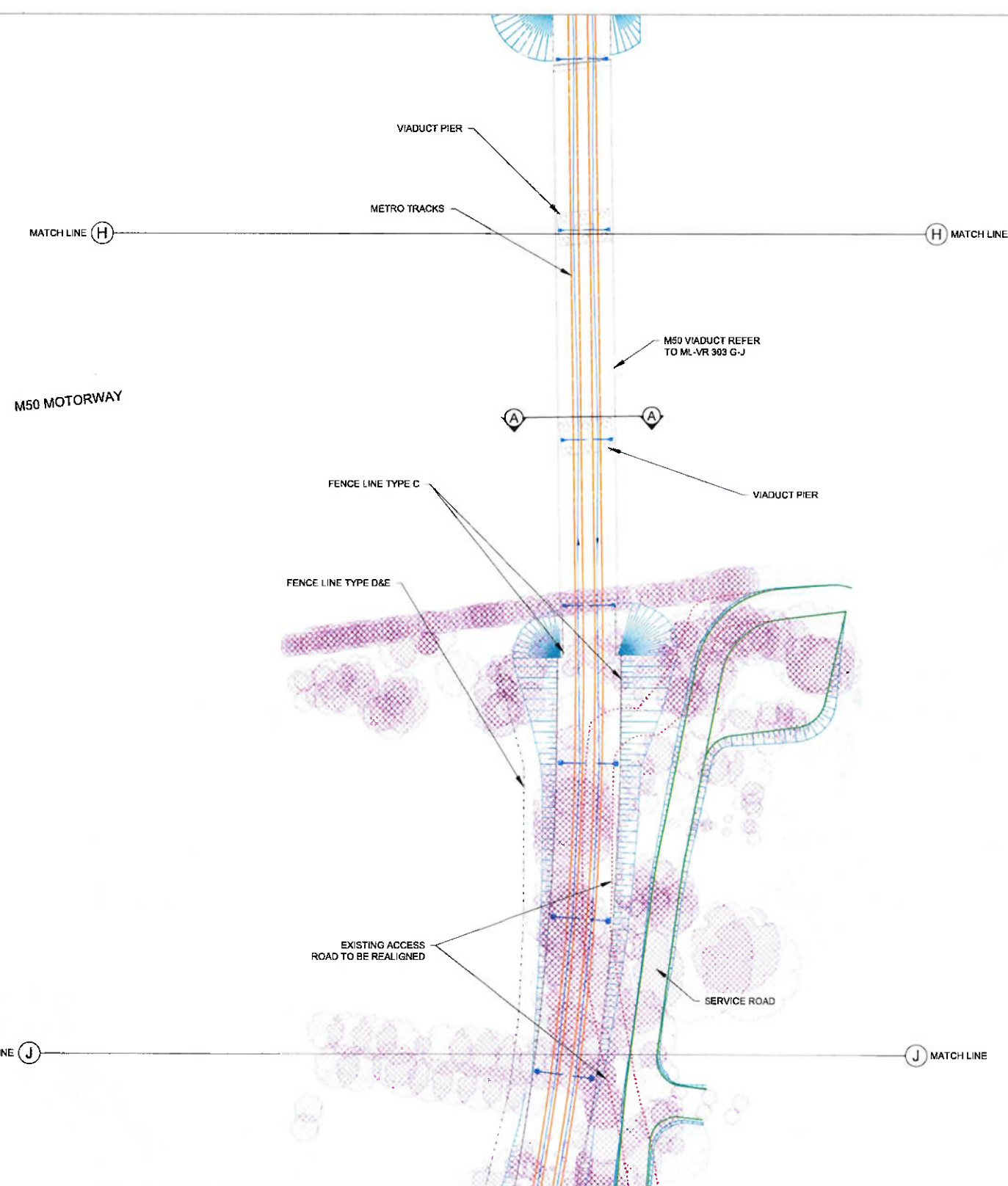
© Ordnance Survey Ireland 2021/22. OS: NMA 273.

A: Elevations are in metres and refer to OSi Geoid Mean (OSGM02) sea level as defined by existing Project Centre.

A: Coordinates are in Irish Transverse Mercator (ITM) as defined by OSi and are OSi standard 7-figure Co-ordinate (T.M.).

Client	Project	Drawing Title	Drawing Status
TII NTA Garda Naíonála Nationale Transport Authority	METROLINK	METROLINK - GENERAL ARRANGEMENT BALLYMUN (SHEET 7 OF 11)	S1
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-03050	ML-RO 303 G-H	
	Scales Original Size A1 AS SHOWN		Sheet 1 of 1

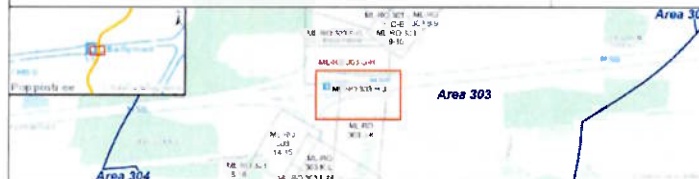




- 
- A technical cross-section diagram of the M50 Viaduct. At the top, a horizontal line represents the road surface, with labels 'M50 MOTORWAY' on the left and right, and 'EXTENTS OF METROLINK' in the center. Below the road surface, a 'SAFETY BARRIER' is shown on the left. The road deck is divided into two lanes, labeled 'S/B' (Southbound) and 'N/B' (Northbound). Above the road surface, 'OVERHEAD LINE EQUIPMENT' is shown for the Metrolink system. To the right of the road deck, 'ELECTRICAL / TELECOMS DUCTING' is indicated. Below the road deck, a 'DRAINAGE CHANNEL' is shown. The entire structure is supported by a central pier with four vertical columns. The diagram is labeled 'SECTION A - A VIADUCT M50' at the bottom.

0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

1. FOR DETAILS OF PROPERTY REQUIREMENTS, SEE BOOK OF PROPERTY DRAWINGS ML-P 301 O-A TO ML-P 307 A-O.
2. FOR DETAILS OF STRUCTURES (INCLUDING STATIONS), SEE BOOK OF STRUCTURES DRAWINGS (FOR EXAMPLE ML-ST-301 B-C1 TO ML-ST 307 O-AB).
3. FOR DETAILS OF UTILITIES, SEE BOOK OF UTILITY DRAWINGS ML-UC 301 O-A TO ML-UC 307 A-O AND SET ML-UC 301 01 TO ML-UC 307 30.



P02	29/07/21	For Railway Order	SS	RS	RS	NC
P03	30/11/21	For Railway Order	JR	RS	AS	NC
P04	19/05/02	For Railway Order	BJJ	JR	AS	PB
P05	17/03/04	For Railway Order	JM	MM	AS	PB
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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A. excavations are in metres and results in (SS) Civils Model (OSM3002) Me in Head as defined by station Topo by Station Topo Control

A. Coordinates are in 'ruah' (Transverse Mercator Grid) (TM) as defined by OSB estate GPD by station Topo as on (T-G)

Client

Consultant	
------------	--

**JACOBS**™

project

**METROLINK**

**IDOM**

Drawing Title	METROLINK - GENERAL ARRANGEMENT M50 JUNCTION 4 BALLYMUN
---------------	---

Drawing N° ML1-JAI-ARD-ROUT XX-DR-Y-03055

Scales Original Size A1 AS SHOWN

Plan Drawing N°	ML-RO 303 H-J
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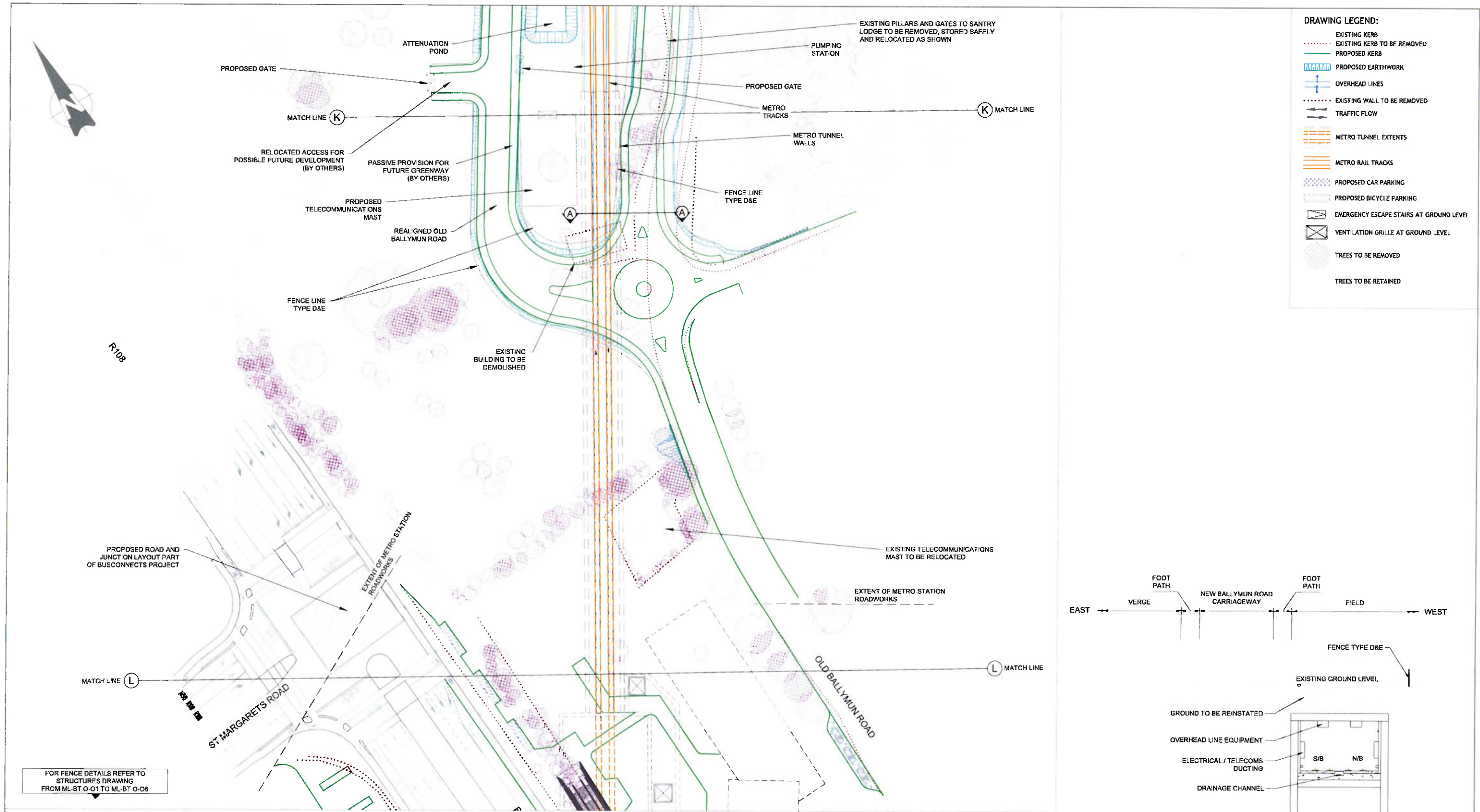
Drawing Status	SO
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Sheet 1 of 1

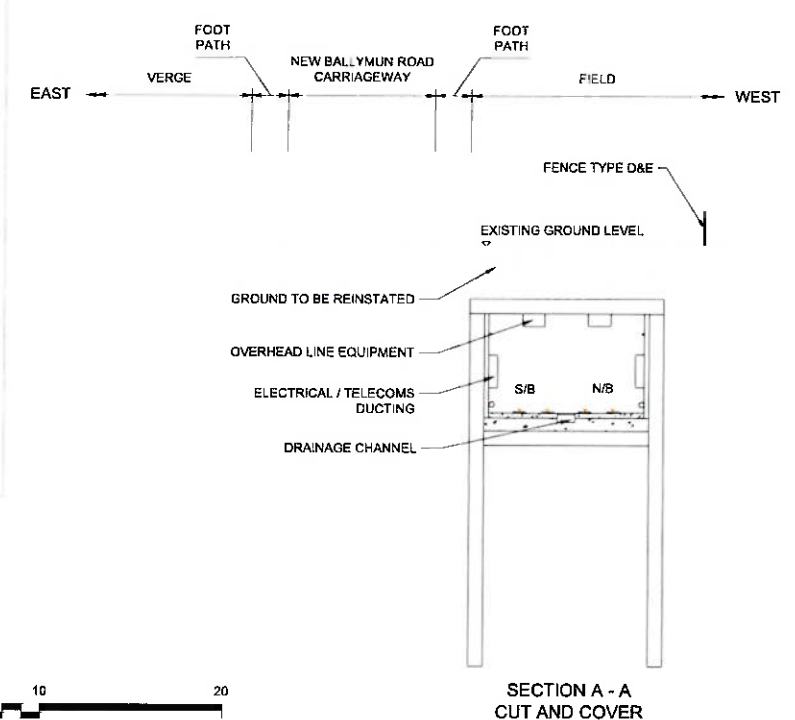




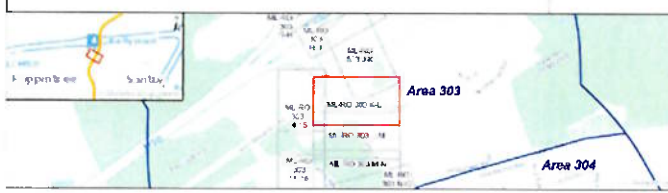




- DRAWING LEGEND:**
- EXISTING KERB
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - EXISTING WALL TO BE REMOVED
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - PROPOSED CAR PARKING
  - PROPOSED BICYCLE PARKING
  - EMERGENCY ESCAPE STAIRS AT GROUND LEVEL
  - VENTILATION GRILLE AT GROUND LEVEL
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED



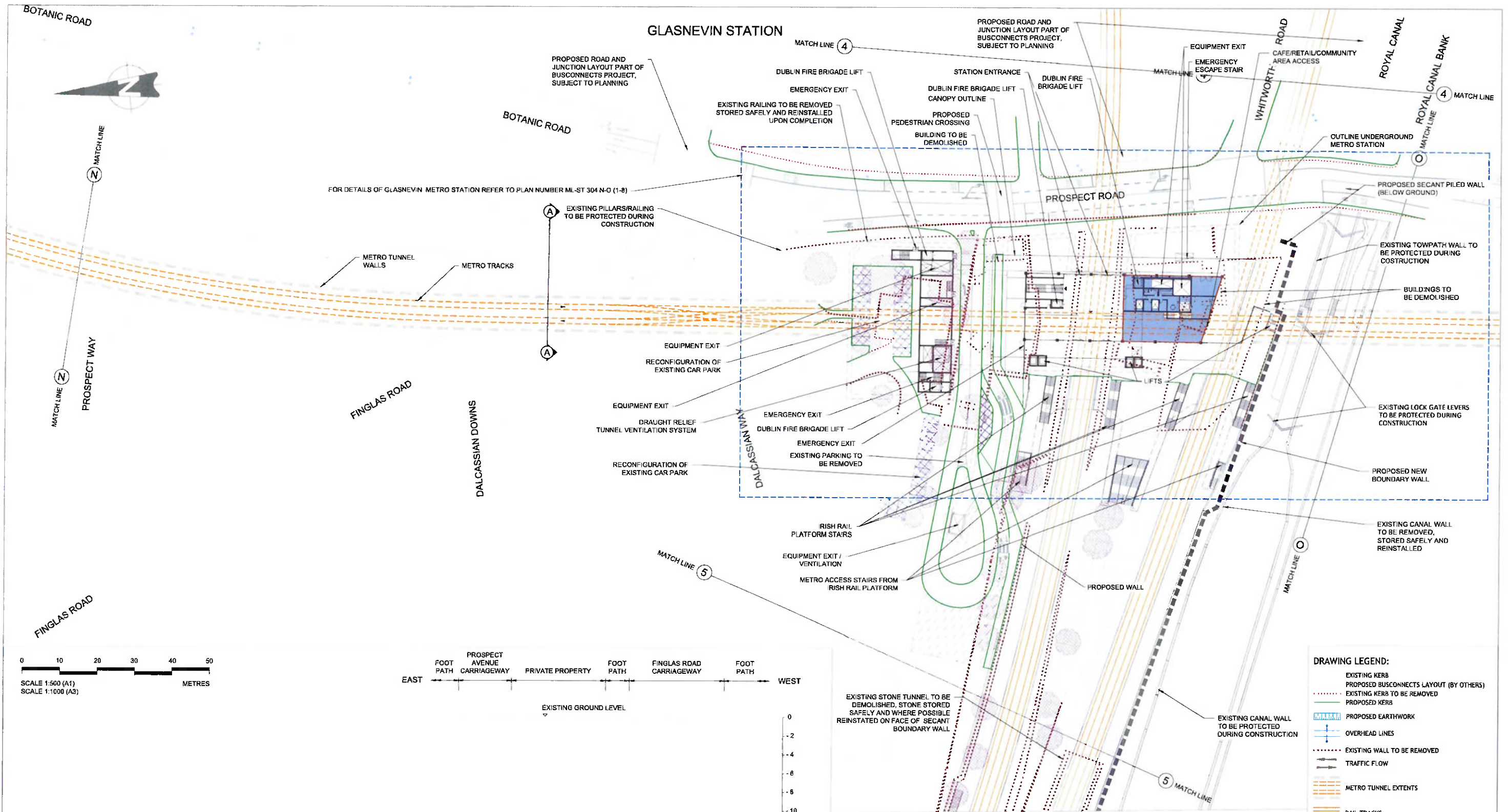
- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



P01	28/07/21	For Railway Order	SS	RS	RS	NC
P02	30/11/21	For Railway Order	JR	RS	AS	NC
P03	12/04/23	For Railway Order	BJ	JR	AS	PS
P04	15/03/24	For Railway Order	JM	JM	AS	PS
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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© Ordnance Survey Ireland 2021 OSI: MMA 373						
A: A coordinate is in metres and relates to OS Grid Mode (OSGM02). It is based as defined by existing Project Control.						
A: Coordinates are in Irish Transverse Mercator Grid (T.M.) as defined by OS active GPS system 'Irish Grid' (T.M.).						

Client	Project	Drawing Title	Drawing Status
TII NTA	METROLINK	METROLINK - GENERAL ARRANGEMENT GULLIVER'S RETAIL PARK	S1
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_X-DR-Y-03057	ML-RO 303 K-L	
	Scales Original Size A1 AS SHOWN		Sheet 1 of 1

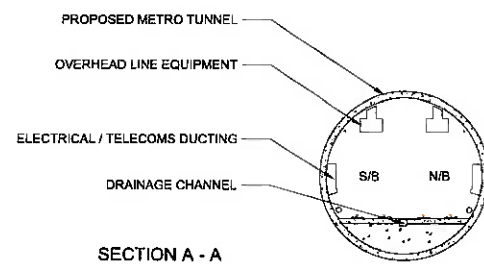




0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

EAST WEST  
FOOT PATH  
PROSPECT AVENUE  
CARRIAGEWAY  
PRIVATE PROPERTY  
FOOT PATH  
FINGLAS ROAD  
CARRIAGEWAY  
FOOT PATH  
EXISTING GROUND LEVEL

0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES



- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED BUSCONNECTS LAYOUT (BY OTHERS)
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - EXISTING WALL TO BE REMOVED
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - RAIL TRACKS
  - PROPOSED CAR PARKING
  - PROPOSED BICYCLE PARKING (120 SPACES)
  - EMERGENCY ESCAPE STAIRS AT GROUND LEVEL
  - VENTILATION GRILLE AT GROUND LEVEL
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED
  - PROPOSED PLATFORM

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P05	18/08/22	For Railway Order	MM	MM	MM	PB
P06	22/08/22	For Railway Order	MM	MM	MM	PB
P07	13/04/23	For Railway Order	MM	AS	AS	PB
P08	21/03/24	For Railway Order	MM	JB	NC	PB

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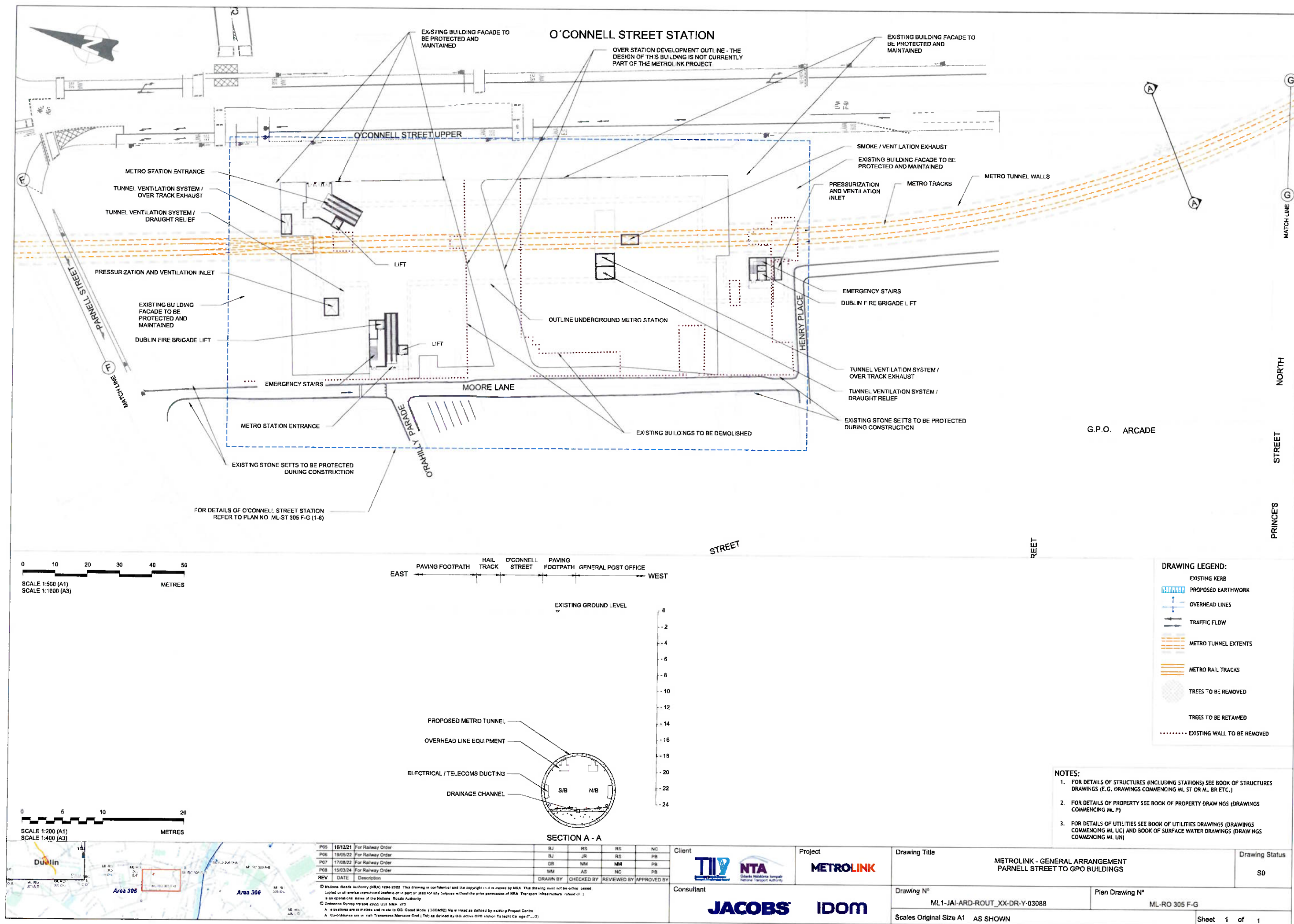
© Ordnance Survey Ireland 2022/03/01. NMA 273.

A: Elevations are in metres and relate to OSi (Ordnance Survey) Mean Sea Level as defined by existing Project Contract.

A: Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by Ordnance Survey. To read: Co-ordinate (Easting, Northing).

Client	Project	Drawing Title	Drawing Status
TII NTA	METROLINK	METROLINK - GENERAL ARRANGEMENT PROSPECT WAY TO ROYAL CANAL	S0
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-ARD-ROUT_XX-DR-Y-03076	Plan Drawing N° ML-RO 304 N-O
Scales Original Size A1 AS SHOWN		Sheet 1 of 1	

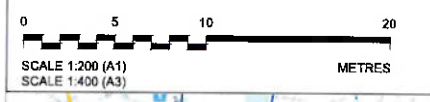
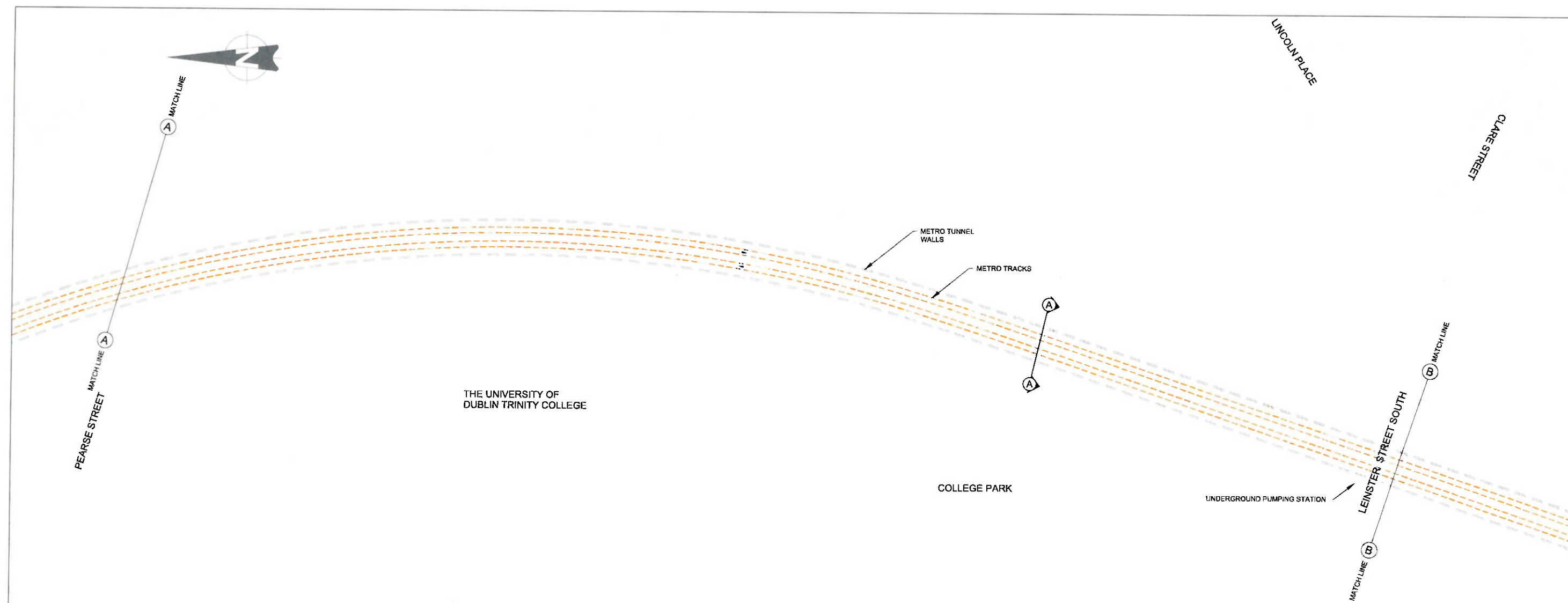




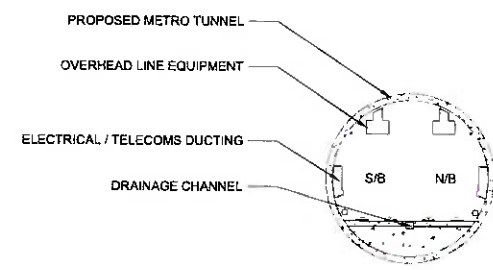








EAST → THE UNIVERSITY OF DUBLIN TRINITY COLLEGE → WEST  
EXISTING GROUND LEVEL



SECTION A - A

- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	12/07/21	For Railway Order	RS	RS	AS	NC
P02	31/10/21	For Railway Order	JR	RS	AS	NC
P03	13/04/23	For Railway Order	BJ	JR	AS	PS
P04	11/03/24	For Railway Order	JM	JB	JB	PS

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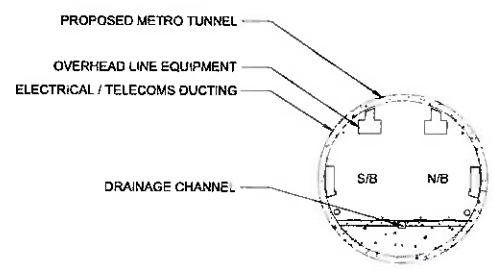
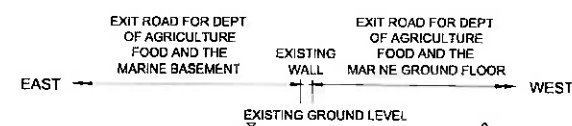
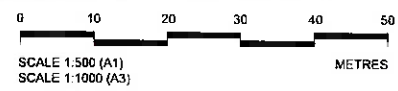
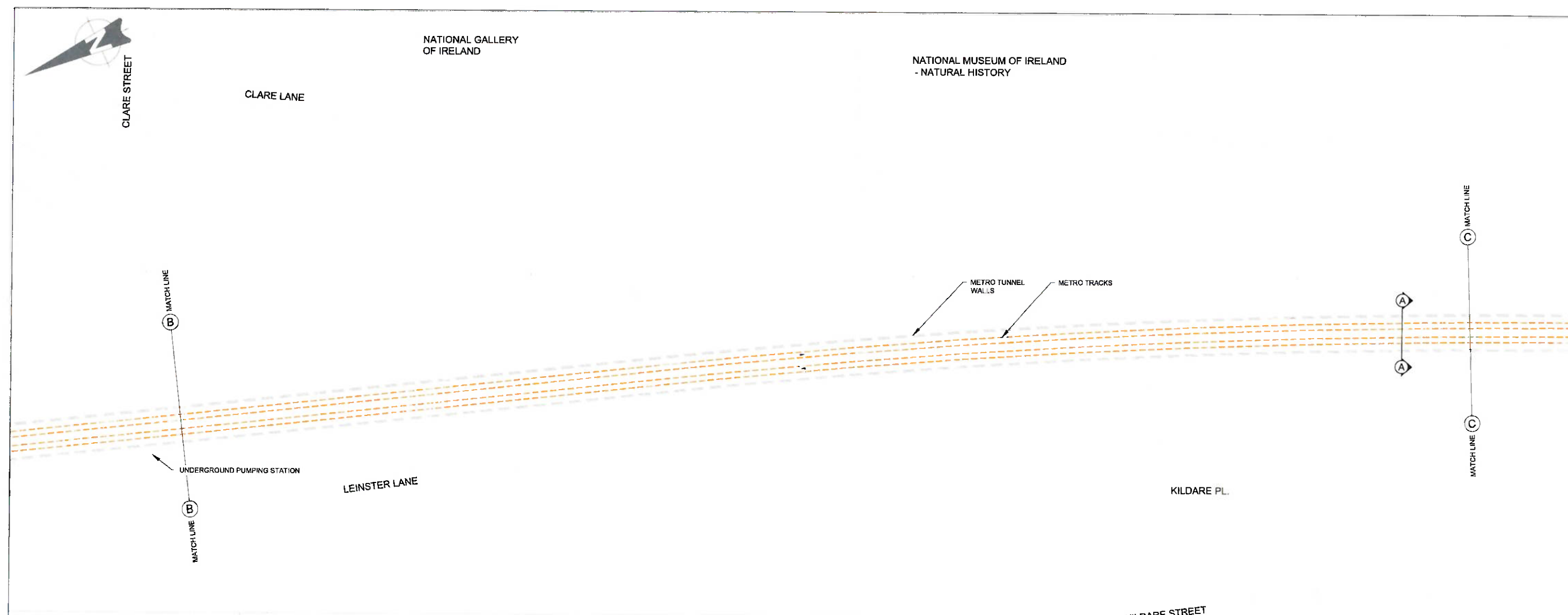
© Ordnance Survey Ireland 2021/OS, NMA 273

A: Surveys are in metres and re-located to GDA 2014. (OSGM02) Main Head as defined by existing Project Centre.

A: Coordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station Tairgheirí (T-10).

Client	Project	Drawing Title	Drawing Status
TII NTA	METROLINK	METROLINK - GENERAL ARRANGEMENT PEARSE STREET TO LEINSTER STREET SOUTH	S0
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-ARD-ROUT_XX-DR-Y-03091	Plan Drawing N° ML-RO 306 A-B
Scales Original Size A1 AS SHOWN		Sheet 1 of 1	

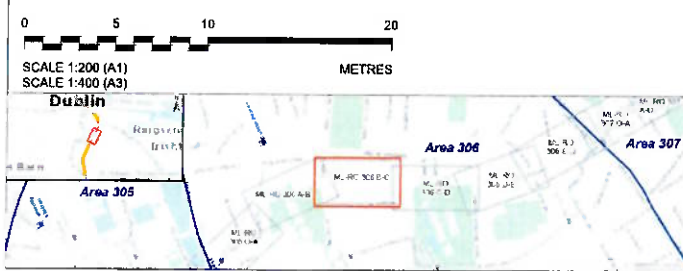




SECTION A - A

- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	12/07/21	For Railway Order	RS	RS	AS	NC
P02	31/10/21	For Railway Order	JR	RS	AS	NC
P03	13/04/23	For Railway Order	BJ	JR	AS	PB
P04	11/03/24	For Railway Order	JM	JB	JB	PB

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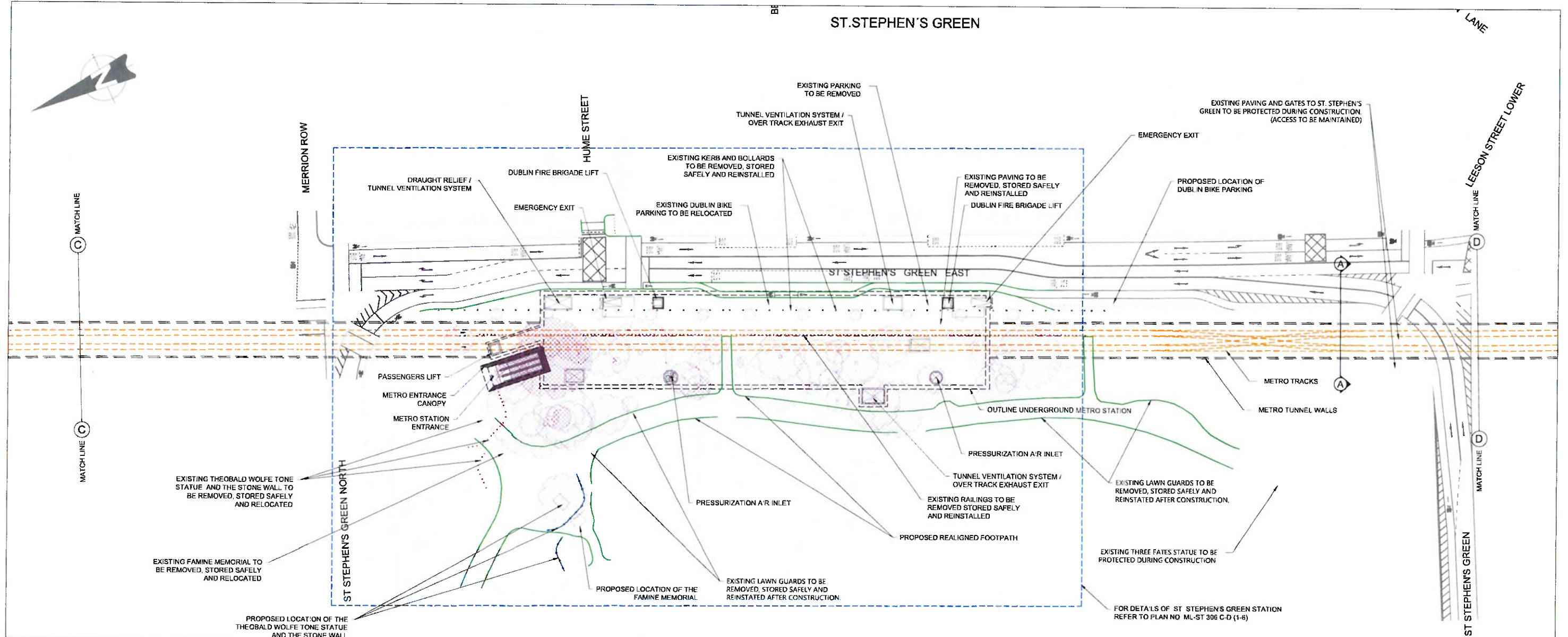
All elevations are in metres and relate to OSI Geoid Mode (OSGM03) Mean Sea Level as defined by existing Project Control.

All coordinates are in Irish Transverse Mercator Grid (TM) as defined by OS active GPS station T404 (T.L.03).

Client	NTA	Project	METROLINK	Drawing Title	METROLINK - GENERAL ARRANGEMENT LEINSTER ST SOUTH TO ST STEPHEN'S GREEN	Drawing Status	SO
Consultant	JACOBS	IDOM	Drawing N°	ML1-JAI-ARD-ROUT_XX-DR-Y-03092	Plan Drawing N°	ML-RO 306 B-C	
			Scales	Original Size A1 AS SHOWN			Sheet 1 of 1

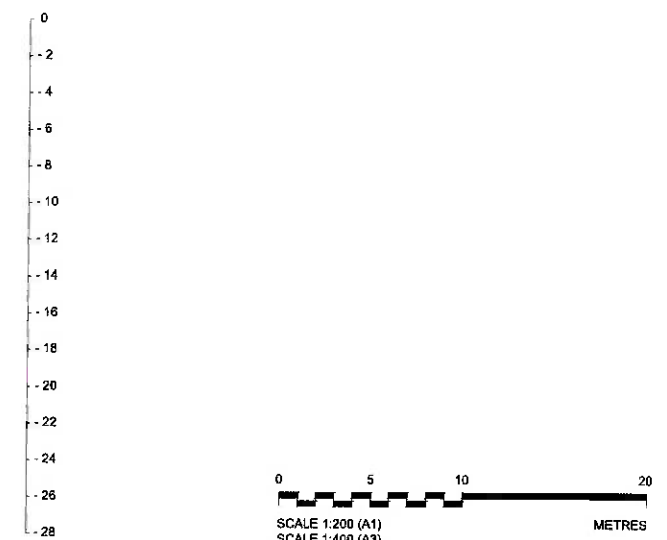
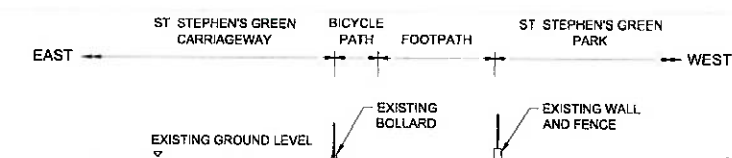


# ST. STEPHEN'S GREEN



- DRAWING LEGEND:**
- EXISTING KERB
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - EXISTING WALL TO BE REMOVED
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - PROPOSED CAR PARKING
  - PROPOSED BICYCLE PARKING (82 SPACES)
  - EMERGENCY ESCAPE STAIRS AT GROUND LEVEL
  - VENTILATION GRILLE AT GROUND LEVEL
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



SECTION A - A



PD2	16/12/21	For Railway Order	BJ	RS	RS	NC
PD3	19/05/22	For Railway Order	BJ	JR	AS	PB
PD4	13/04/23	For Railway Order	GB	MM	MM	PB
PD5	13/03/24	For Railway Order	FP	JB	JB	PB
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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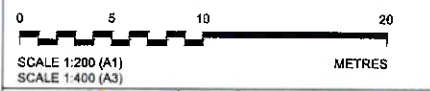
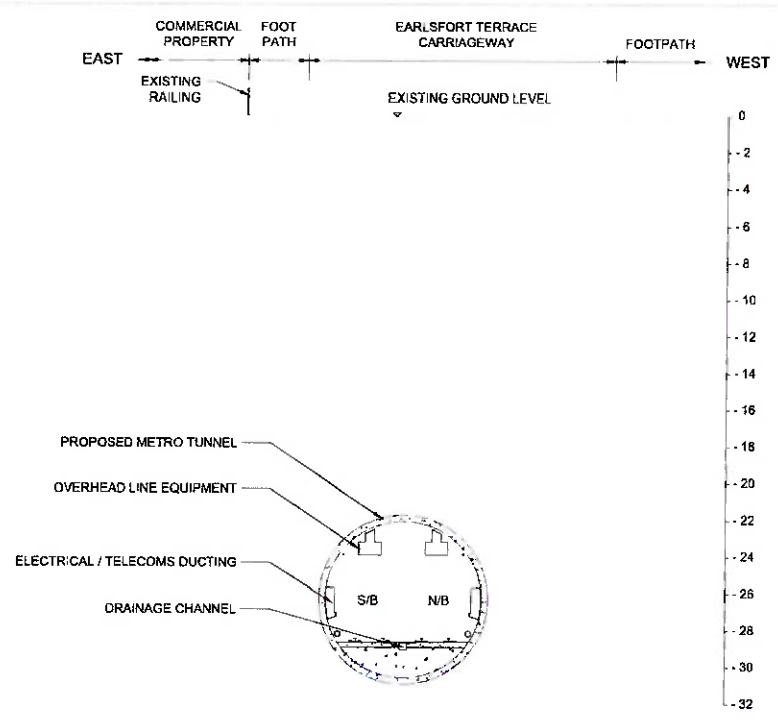
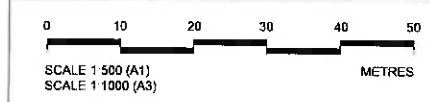
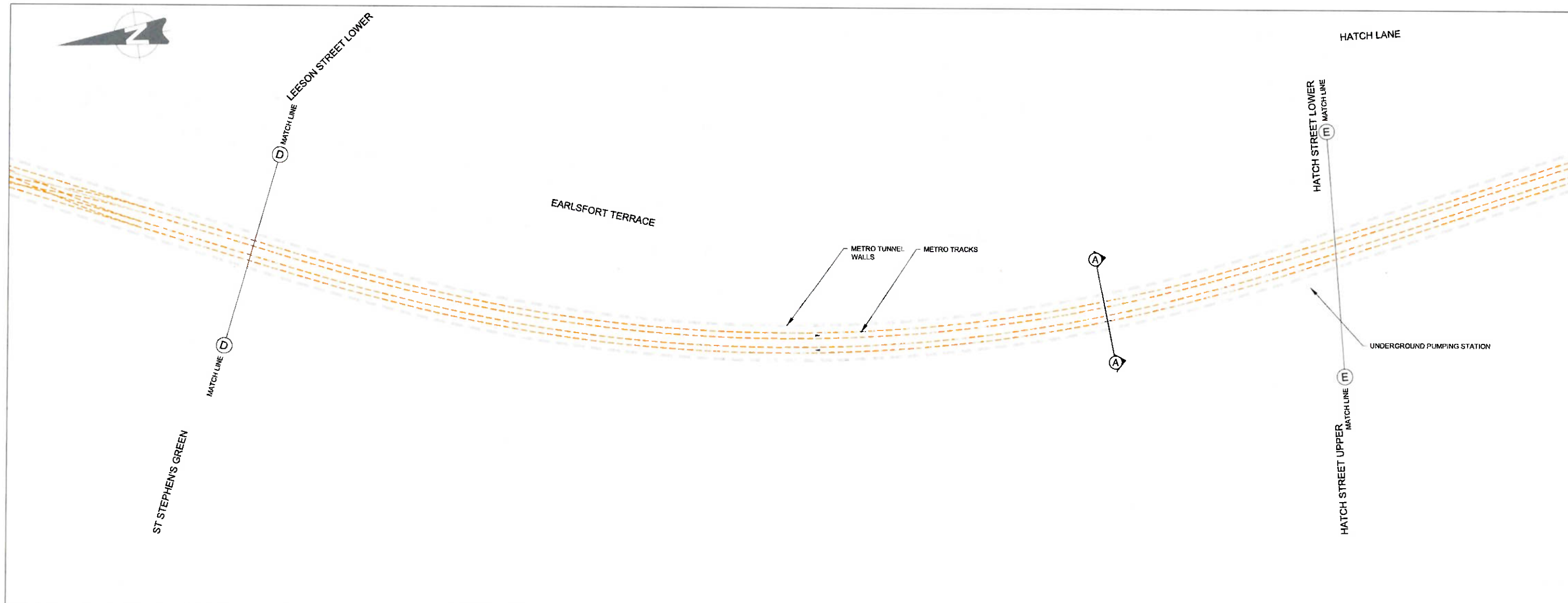
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A: elevations are in metres and relate to OSI Geoid Model (OSGM02) MSL as defined by existing Project Control.

A: Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active GPS station T42401 (T42401).

Client	TII NTA	Project	METROLINK	Drawing Title	METROLINK - GENERAL ARRANGEMENT SAINT STEPHEN'S GREEN	Drawing Status	S0
Consultant	JACOBS IDOM	Drawing N°	ML1-JAI-ARD-ROUT_XX-DR-Y-03093	Plan Drawing N°	ML-RO 306 C-D	Sheet	1 of 1
		Scales	Original Size A1 AS SHOWN				





- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



PD4	18/05/22	For Railway Order	BJ	JR	AS	PS
PD5	13/04/23	For Railway Order	GB	MM	MM	PS
PD6	05/03/24	For Railway Order	JM	JB	JB	PS
PD7	14/03/24	For Railway Order	JM	JB	JB	PS
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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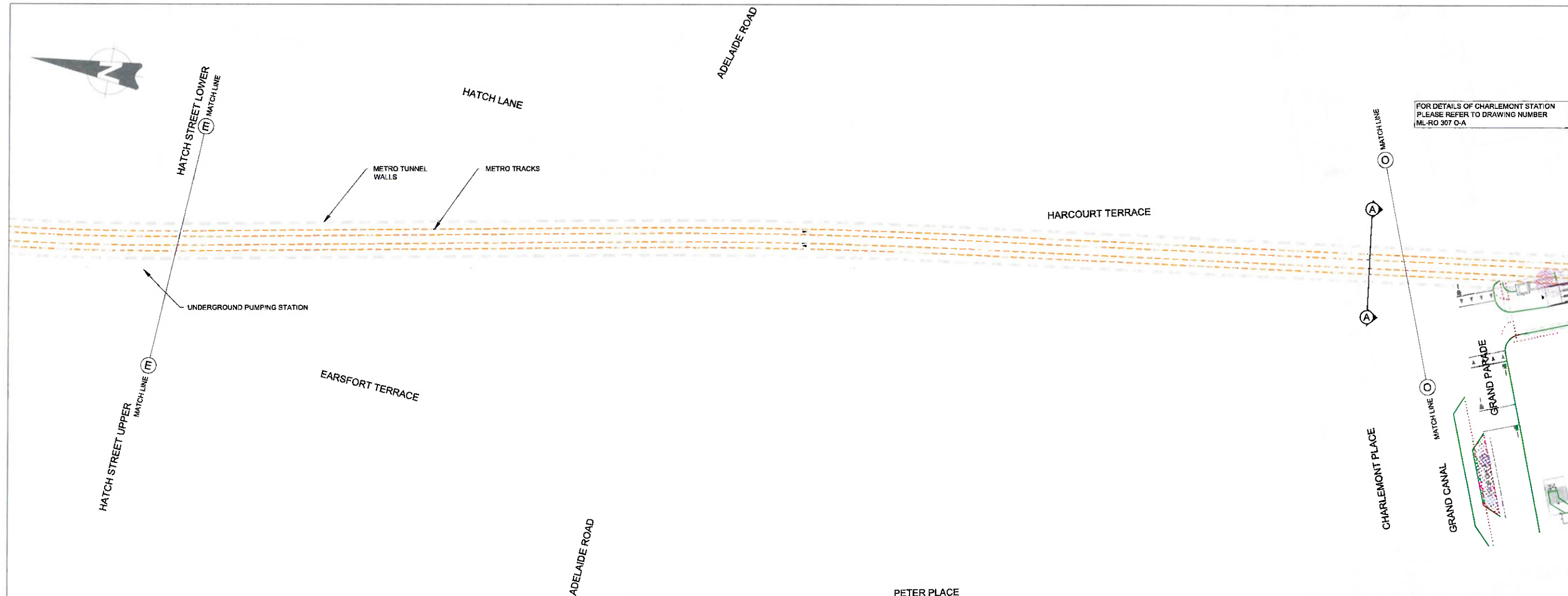
© Ordnance Survey. Revised 2023. OS, MMA, STS.

A: All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Control.

A: Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station. To 4th decimal (m).

Client	Project	Drawing Title	Drawing Status
TII NTA	METROLINK	METROLINK - GENERAL ARRANGEMENT ST STEPHEN'S GREEN TO HATCH ST LOWER	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-03094	ML-RO 306 D-E	
	Scales Original Size A1 AS SHOWN		Sheet 1 of 1

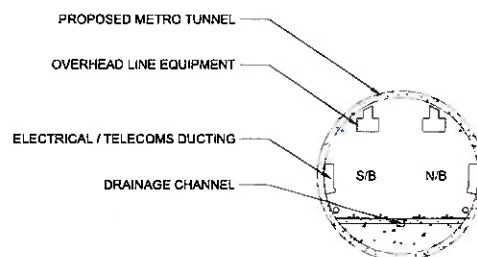




0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

EAST WEST  
GRAND CANAL FOOTPATH GREEN AREA  
EXISTING WATER LEVEL  
EXISTING GROUND LEVEL

0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES



SECTION A - A

- DRAWING LEGEND:**
- EXISTING KERB
  - PROPOSED EARTHWORK
  - OVERHEAD LINES
  - TRAFFIC FLOW
  - METRO TUNNEL EXTENTS
  - METRO RAIL TRACKS
  - TREES TO BE REMOVED
  - TREES TO BE RETAINED
  - EXISTING KERB TO BE REMOVED
  - PROPOSED KERB

- NOTES:**
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
  - FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
  - FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P04	15/05/22	For Railway Order	BJ	JR	AS	PB
P05	13/04/23	For Railway Order	GB	MM	MM	PB
P06	05/03/24	For Railway Order	JM	JB	JB	PB
P07	14/03/24	For Railway Order	JM	JB	JB	PB

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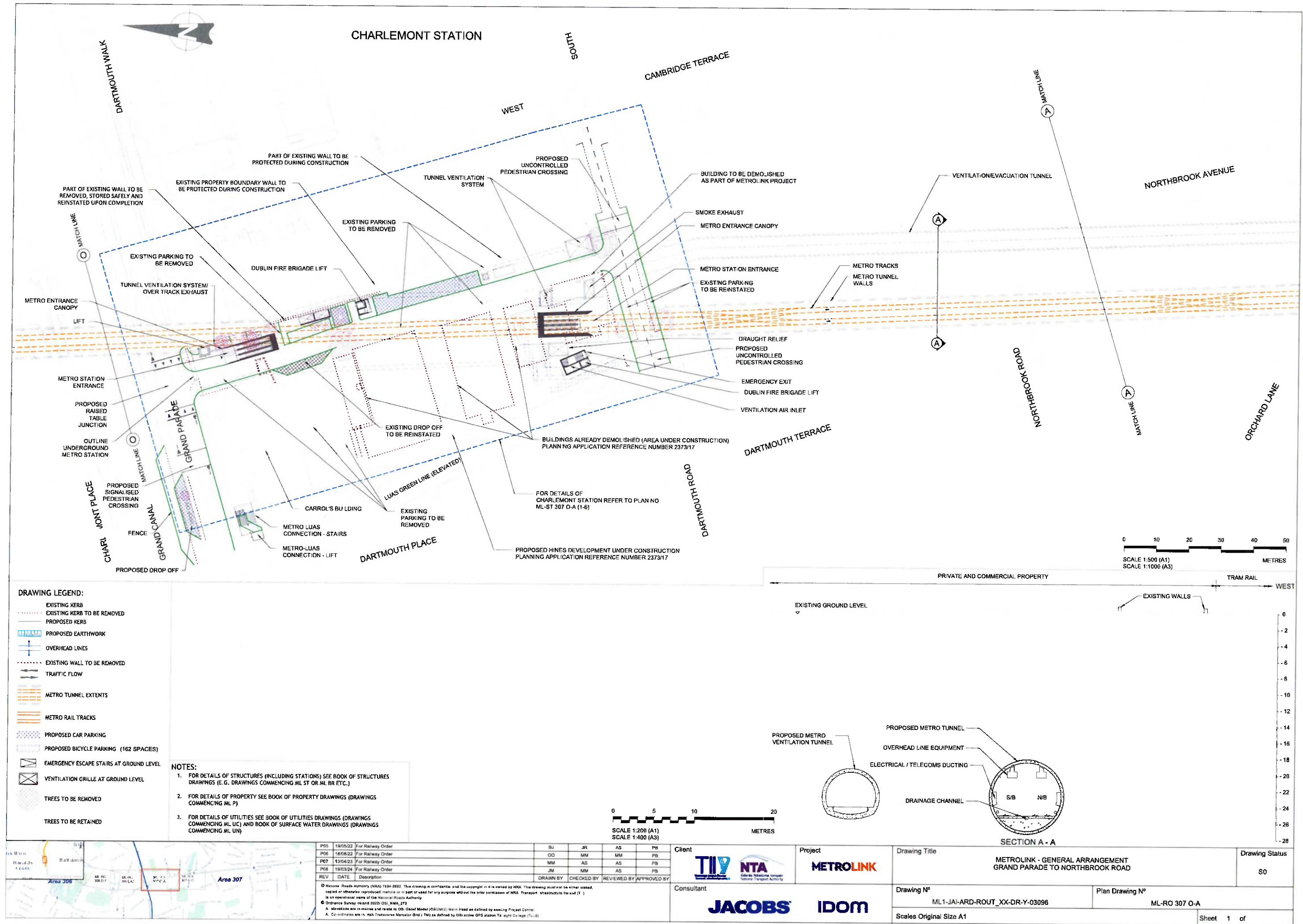
© Ordnance Survey Ireland 2022/03. NMA 273.

All elevations are in metres and relate to D81 Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Control.

A Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OS Active GPS station T41411 (Galway (E-LD)).

Client	Project	Drawing Title	Drawing Status
TII NTA Transport Infrastructure Ireland National Transport Authority	METROLINK	METROLINK - GENERAL ARRANGEMENT HATCH STREET LOWER TO GRANDE PARADE	S0
Consultant	Drawing No	Plan Drawing No	
JACOBS IDOM	ML1-JAI-ARD-ROUT_XX-DR-Y-03095	ML-RO 306 E-O	
	Scales Original Size A1 AS SHOWN	Sheet 1 of 1	









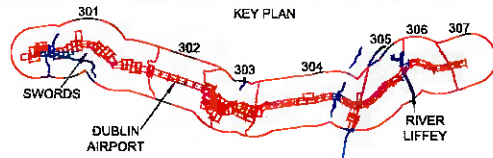


[illegible]

718700 + N= 747500






The existing 1.8m boundary wall to be reinstated on a like for like basis along the original alignment (including openings as existing). Finish to be agreed in consultation with residents and other stakeholders.

REFER TO SHEET-4



P02	26/08/22			PP	MM	MM	PS
P03	17/04/23			PP	PP	MM	PS
P04	06/10/23			PP	MM	MM	PS
P05	21/03/24	For Railway Order		JM	MM	AS	PS
REV	DATE	Description		DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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 © Defence Forces Ireland 2021. DSI\_NRA\_272  
 A - conditions are as marked with relate to OSI Geod Model (DSGIM2) Map Head as defined by existing Project Control  
 A - conditions are as risk Transfer Markers (dtd T.M) as defined by OSI active GPS station data to Light College (L1, L2)

Client	  	Drawing Title	Estuary – Seatown Landscape Layout Preliminary Design Issue	Drawing Status	S4
Consultant	 	Drawing N°	ML1-JAI-ARL-SC01_XX-DR-Y-00003		
		Scales Original Size A1 1:1000	Sheet 3 of 3		







# LEGEND

- Proposed Tree Planting  
15-20cm standard native tree  
Refer to planting schedule
- Proposed Feature Tree Planting  
200-225cm on trunk  
Refer to planting schedule
- Orchard planting  
To commercial areas in the inner park
- Woodland planting  
Following the Mynydd method
- Grass  
Amenity Grass seeding on  
min. 225mm approved topsoil
- Ornamental perennial/annual/cover plant into  
70cm spacing schedule. All planting to be  
planted into 450mm approved topsoil
- Shade planting  
Refer to planting schedule. All planting to be planted  
into 450mm approved topsoil
- Wildflower Meadow  
Wildflower Meadow seeding on  
min. 225mm approved topsoil
- Low mounding  
To inner park
- Woodland planting  
in shoulder's slopes and embankments
- Dark Murch Safety Surfacing  
To formal playground
- Road bound gravel  
Built around  
To bicycle parking
- Compacted gravel path  
Built around compacted gravel to pedestrian  
footpaths in the inner park
- Concrete boundary  
To highly used pedestrian routes
- Stone Paving  
Stone Paving for footpath and plaza  
300x300mm, 80mm thick  
Cover: Silver, Mid Grey, Granite
- Travertine Paving  
Around V-plots at Station Plaza
- Shade planting/footpath  
Refer to planting schedule. All planting to be  
planted into 450mm approved topsoil
- Wildflower Meadow  
Wildflower Meadow seeding on  
min. 225mm approved topsoil
- Shade planting/ledge  
450mm approved topsoil
- Pond  
water surface
- Wildlife and shallow permanent water  
with wetland planting  
natural situation
- Road water edge planting
- Periodically flooded  
roadside
- Low mounding/berms  
To inner park
- Timber  
pathway
- Slope
- IVM Borders
- Raised platform  
To inner park  
450mm high raised platform with concrete walls
- Seat  
Concrete seat with backrest and armrest  
500mm high above parking level
- Bicycle parking structure  
With Cafe and changing area
- Bicycle stand  
Shed-like type bicycle stand
- Spot level

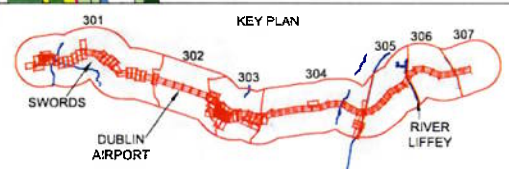
En 715500  
N 741700

En 715800  
N 001321-04



REFER TO SHEET-12

REFER TO SHEET-14



P01	28/05/21	Preliminary Design Issue	FP	MM	MM	PB
P02	28/07/22	Preliminary Design Issue	FP	MM	MM	PB
P03	29/03/23	Preliminary Design Issue	FP	MM	MM	PB
P04	21/03/24	For Railway Order	JM	MM	AS	PB
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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A: all persons are in metres and relate to OSL Grid Mode (OSGME2) MxM Head as defined by existing Project Codes

All Coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active OPG station T4, light Colours (TL-02)

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	Northwood-Ballymun Landscape Layout Preliminary Design Issue	S4
Consultant	Drawing N°	ML1-JAI-ARL-SC07_GF-DR-X-00113	
JACOBS IDOM	Scales Original Size A1 1:500	Sheet	of







EXISTING BOUNDARY FENCE/WALL

ELECTRICAL CLEARANCE ENVELOPE

3.70

2.80

GSWR UP

GSWR DOWN

EXCAVATION

EXISTING GROUND PROFILE

MGWR UP

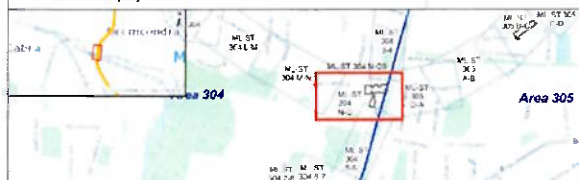
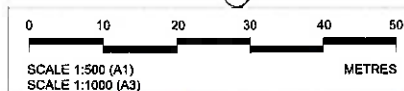
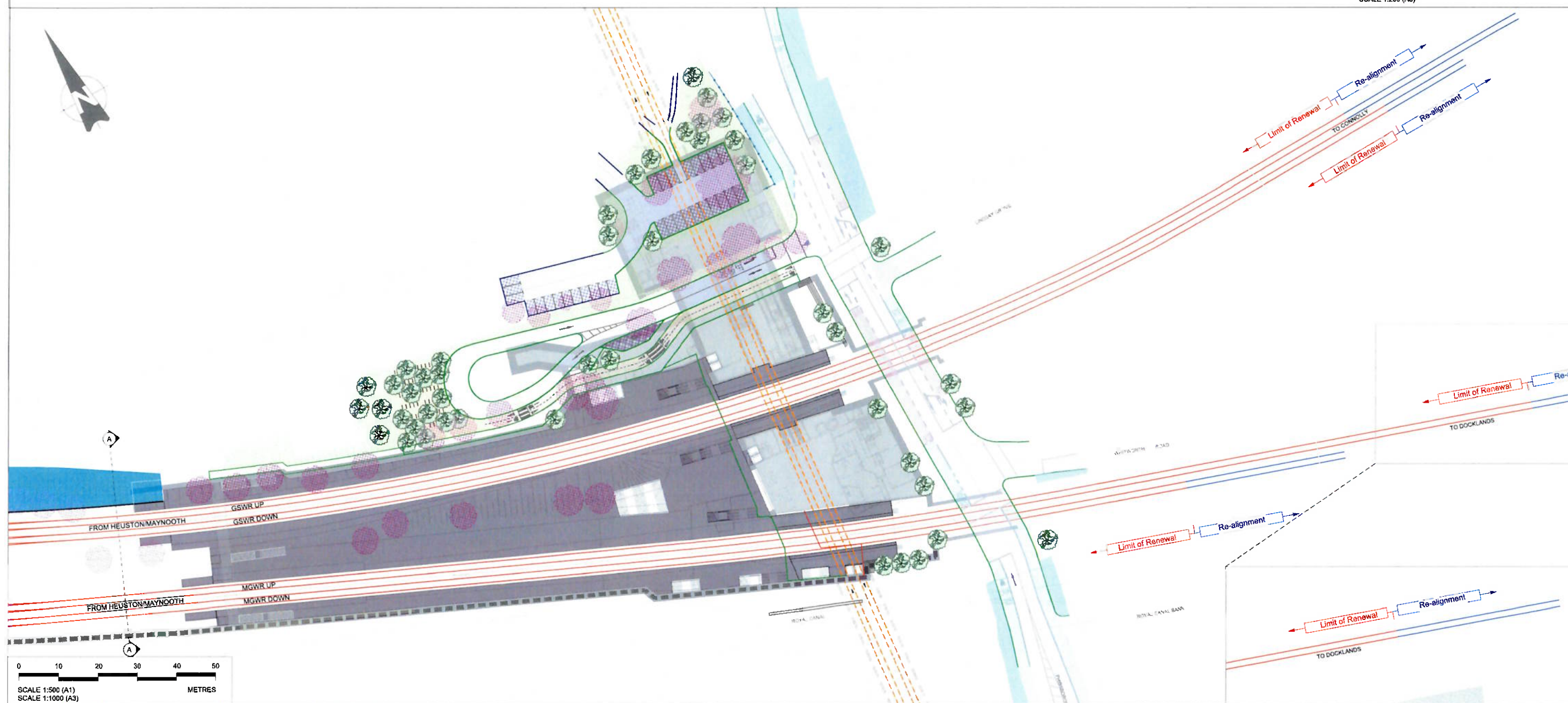
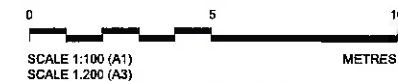
MGWR DOWN

2.80

8.32

RETAINING WALL IN CONJUNCTION WITH PLATFORM WORKS

EXISTING BOUNDARY FENCE/WALL



P03	15/03/24	For Railway Order		MM	RS	AS	PC
P02	13/08/21	For Railway Order		JR	RS	AS	NB
P02	01/06/02	For Railway Order		BJ	JR	AS	PC
REV	DATE	Description		DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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 is an operational name of the National Roads Authority.  
 © Dundas Survey Limited 1981 021\_NRA\_273  
 A **Consent** is in place and reads to **CS0 Dundas More (2504000)** Main Road as defined by existing Project Control  
 The **Consent** is in place and reads to **CS0 Dundas More (2504000)** Main Road as defined by existing Project Control  
 The **Consent** is in place and reads to **CS0 Dundas More (2504000)** Main Road as defined by existing Project Control

**JACOBS**

**METROLINK**

**IDOM**

GLASNI  
TRACK

Drawing N°

ML1-JAI-SRD-MS11\_XX-DR-Y-01001

Plan Drawing N°	ML-ST 304 N-09
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**S0**

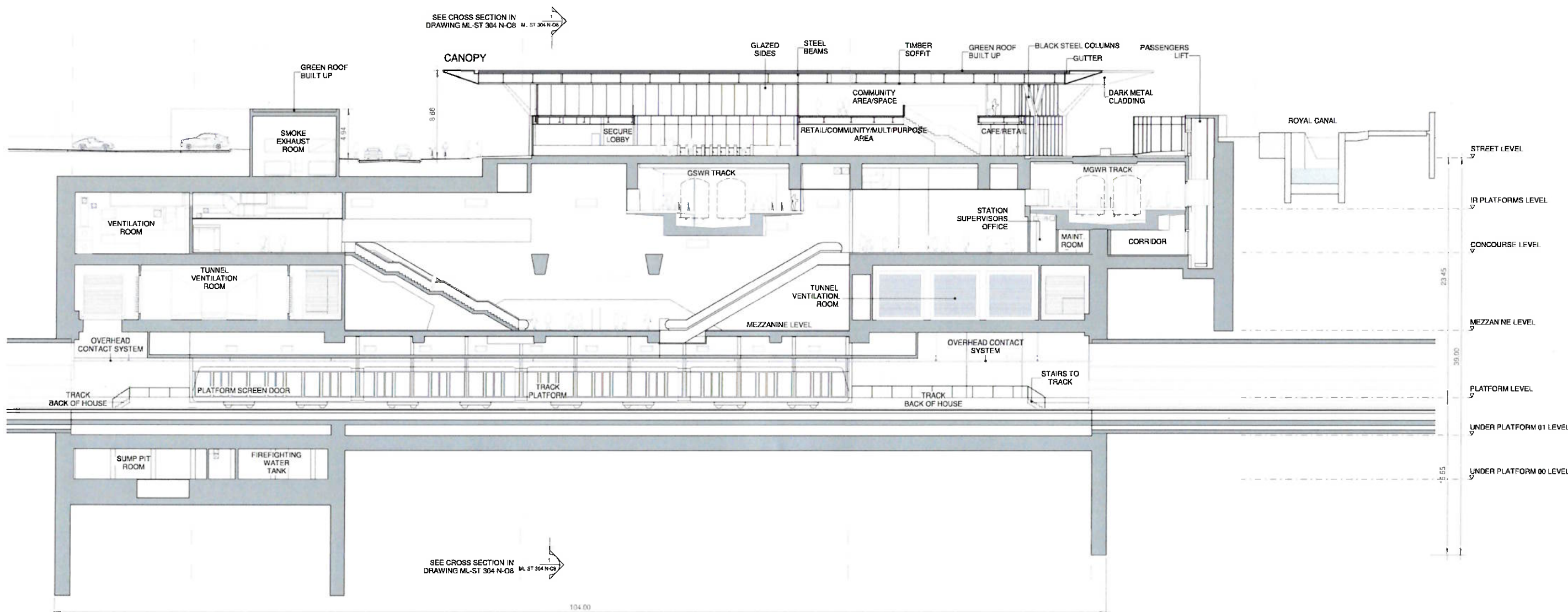
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of 5









**GLASNEVIN STATION - LONGITUDINAL SECTION**  
1 : 200

0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES

- NOTES:**
1. FOR DETAILS OF UTILITIES, SEE BOOK OF UTILITY DRAWINGS (DRAWINGS COMMENCING ML-UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML-UN)
  2. FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT), SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML-RO)
  3. FOR LANDSCAPE DETAILS, SEE PROPOSED STREET LEVEL DESIGN PLAN AND STREET LEVEL ELEVATIONS DRAWINGS (DRAWINGS COMMENCING ML-ST)

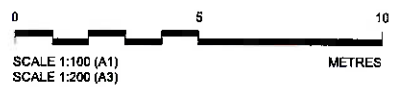
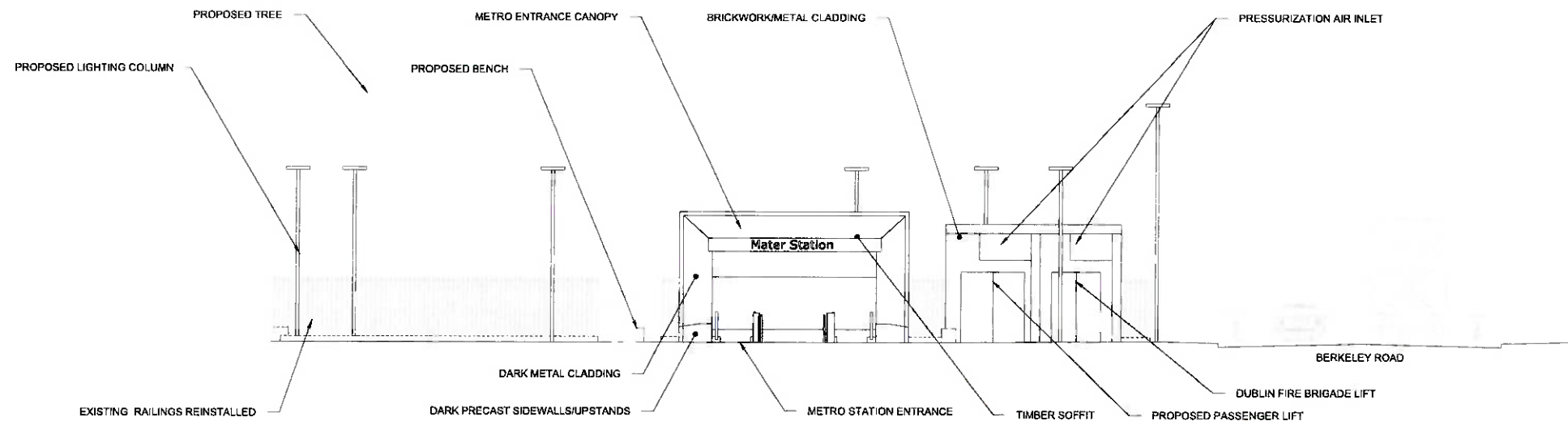
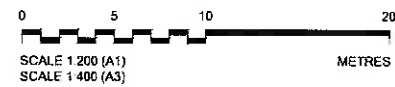


P04	MAR. 24	FOR RAILWAY ORDER	AMM	GDV	JBL	PB
P03	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NG
P02	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NG
P01	OCT 21	FOR RAILWAY ORDER	AMM	GDV	JBL	NG
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - STRUCTURES GLASNEVIN STATION LONGITUDINAL SECTION	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-SRD-ROUT_XX-DR-Y-02063	ML-ST 304 N-07	
	Scales Original Size A1 1 : 200	Sheet 7 of 8	










P03	14/03/24	For Railway Order	AM	GD	JB	PS
P01	23/07/21	For Railway Order	BJ	JR	RS	NC
P02	16/12/21	For Railway Order	BJ	RS	RS	NC
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

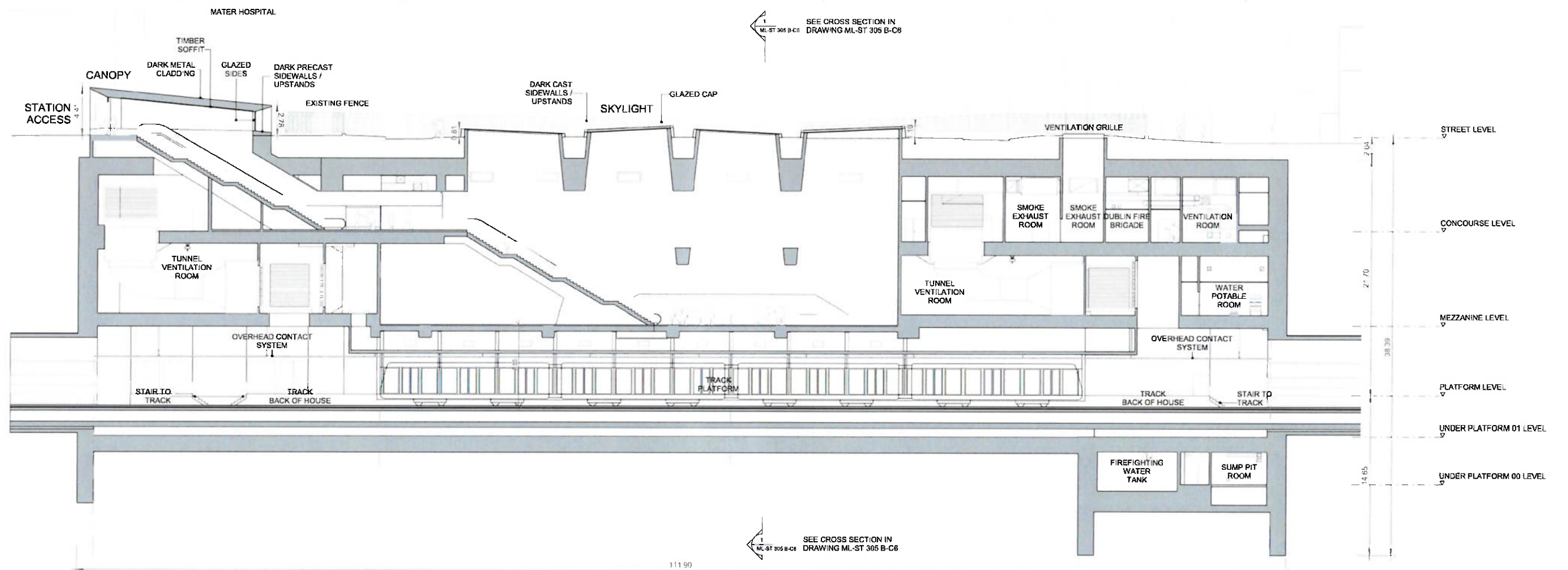
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Client	 	Project			Drawing Title	METROLINK - STRUCTURES METER STATION STREET LEVEL ELEVATION		Drawing Status	S0
Consultant	 	Drawing No	ML1-JAI-SRD-ROUT_XX-DR-Y-02066		Plan Drawing No	ML-ST 305 B-C2			
			Scales Original Size A1 AS SHOWN				Sheet	2	of 6





MATER STATION - LONGITUDINAL SECTION  
1 : 200

0 5 10 20  
SCALE 1:200 (A1)  
SCALE 1:400 (A3)  
METRES

NOTES:

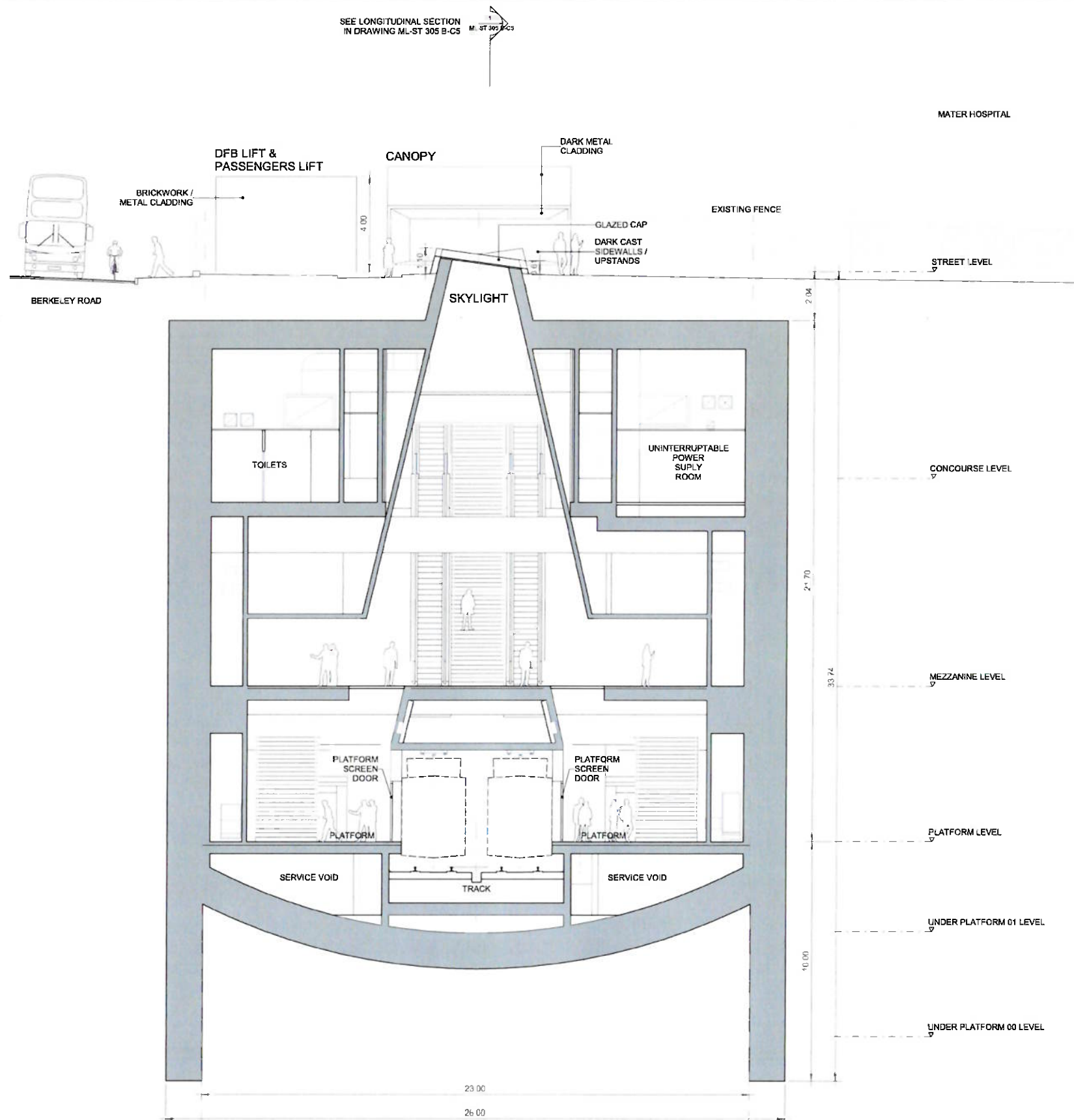
1. FOR DETAILS OF UTILITIES, SEE BOOK OF UTILITY DRAWINGS (DRAWINGS COMMENCING ML-UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML-UN)
2. FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT), SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML-RD)
3. FOR LANDSCAPE DETAILS, SEE PROPOSED STREET LEVEL DESIGN PLAN AND STREET LEVEL ELEVATIONS DRAWINGS (DRAWINGS COMMENCING ML-ST)



P04	MAR 24	FOR RAILWAY ORDER	AMM	GDV	JBL	PB
P03	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
P02	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
P01	OCT 21	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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All elevations are in metres and relate to OSI Geoid Mode (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 (TLG).						

Client	Project	Drawing Title	Drawing Status
TII NTA Udaras na hÉireann National Transport Authority	METROLINK	METROLINK - STRUCTURES MATER STATION LONGITUDINAL SECTION	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-SRD-ROUT_XX-DR-Y-02069	ML-ST 305 B-C5	
	Scales Original Size A1 1 : 200		Sheet 5 of 6





0 5 10  
SCALE 1:100 (A1)  
SCALE 1:200 (A3)  
METRES

SEE LONGITUDINAL SECTION  
IN DRAWING ML-ST 305 B-C5

# MATER STATION - CROSS SECTION 1 : 100

- NOTES:**
1. FOR DETAILS OF UTILITIES, SEE BOOK OF UTILITY DRAWINGS (DRAWINGS COMMENCING ML-UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML-UN)
  2. FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT), SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML-RO)
  3. FOR LANDSCAPE DETAILS, SEE PROPOSED STREET LEVEL DESIGN PLAN AND STREET LEVEL ELEVATIONS DRAWINGS (DRAWINGS COMMENCING ML-ST).



P04	MAR 24	FOR RAILWAY ORDER	AMM	GDV	JBL	PS
P03	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
P02	MAY 22	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
P01	OCT 21	FOR RAILWAY ORDER	AMM	GDV	JBL	NC
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - STRUCTURES MATER STATION CROSS SECTION	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-SRD-ROUT_XX-DR-Y-02070	ML-ST 305 B-C6	
	Scales Original Size A1 1 : 100	Sheet 6 of 6	



**O'CONNELL STREET STATION**

**NOTES:**







- FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT) SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML RD)
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
- FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
- FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)

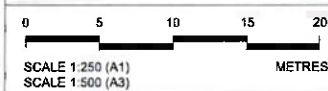
**DRAWING LEGEND**

- VENTILATION GRILLE
- METRO TUNNEL EXTENTS
- TRAFFIC FLOW
- EXISTING TREES TO BE REMOVED
- TREES TO BE RETAINED
- EXISTING WALL TO BE REMOVED

**Labels and Callouts:**

- CATHAL BRUGHIA STREET
- EXISTING BUILDING FACADE TO BE PROTECTED AND MAINTAINED
- BUS LANE
- O'CONNELL STREET UPPER
- LIFT
- TUNNEL VENTILATION SYSTEM / OVER TRACK EXHAUST
- METRO STATION ENTRANCE
- OVER STATION DEVELOPMENT OUTLINE - THE DESIGN OF THIS BUILDING IS NOT PART OF THE METROLINK PROJECT
- AIR PRESSURIZATION AND VENTILATION AIR INLET
- DUBLIN FIRE BRIGADE LIFT
- LIFT
- METRO STATION ENTRANCE
- EVAUCTION STAIRS
- EXISTING STONE SETTS TO BE PROTECTED DURING CONSTRUCTION
- MOORE LANE
- EXISTING BUILDINGS TO BE DEMOLISHED
- SMOKE / VENTILATION EXHAUST
- TUNNEL VENTILATION SYSTEM / DRAUGHT RELIEF
- OUTLINE UNDERGROUND METRO STATION
- AIR PRESSURIZATION AND VENTILATION AIR INLET
- EVAUCTION STAIRS
- DUBLIN FIRE BRIGADE LIFT
- EXISTING STONE SETTS TO BE PROTECTED DURING CONSTRUCTION
- EXISTING BUILDING FACADE TO BE PROTECTED AND MAINTAINED
- METRO TUNNEL WALLS
- METRO TRACKS
- NO ENTRY
- FOR DETAILS REFER TO STREET LEVEL ELEVATION DRAWING ML-ST 305 F-G2
- FOR FURTHER DETAILS ON MATERIALS REFER TO MATERIALS PALETTE DOCUMENT
- SCALE 1:250 (A1)
- SCALE 1:500 (A3)
- METRES
- SECTION A-A
- SECTION B-B

- ### DRAWING LEGEND
-  VENTILATION GRILLE
-  METRO TUNNEL EXTENTS
-  TRAFFIC FLOW
-  EXISTING TREES TO BE REMOVED
-  TREES TO BE RETAINED
-  ..... EXISTING WALL TO BE REMOVED








P03	16/12/21	For Railway Order	BJ	RS	RS	NC
P04	20/05/22	For Railway Order	BJ	JR	AS	PB
P05	13/04/23	For Railway Order	CO	MM	AS	PB
P06	16/03/24	For Railway Order	MM	AS	NC	PB
REV	DATE	DESCRIPTION	DRAWN BY CHECKED BY REVIEWED BY APPROVED BY			

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© Distance Figure Ireland 00320102\_NRA\_379

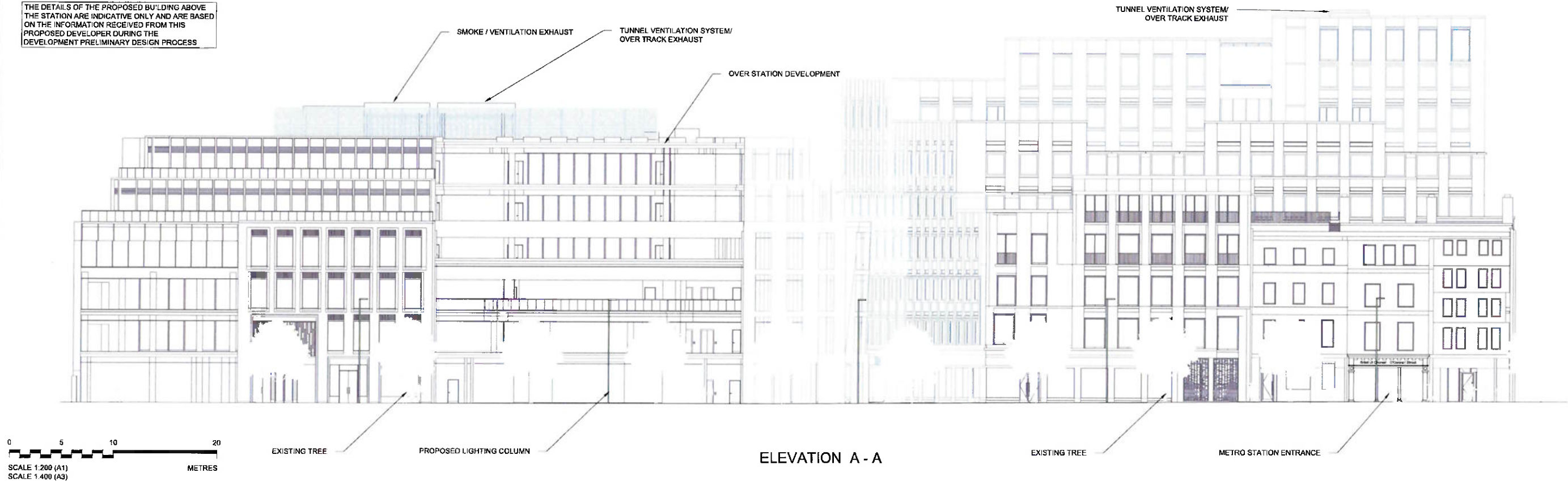
All dimensions are in metres and relate to OSI Grids only (OSBM02). Main Head as defined by existing Project Centre

All Coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active OSI station Teigh Ghaige (T1\_G)

Client	 	Project			Drawing Title	METROLINK - STRUCTURES O'CONNELL STREET STATION PROPOSED STREET LEVEL DESIGN			Drawing Status	S0	
Consultant	 		Drawing N°			Plan Drawing N°					
			ML1-JAI-SRD-ROUT_XX-DR-Y-02071			ML-ST 305 F-G1					
			Scales Original Size A1 1:250							Sheet 1 of 7	

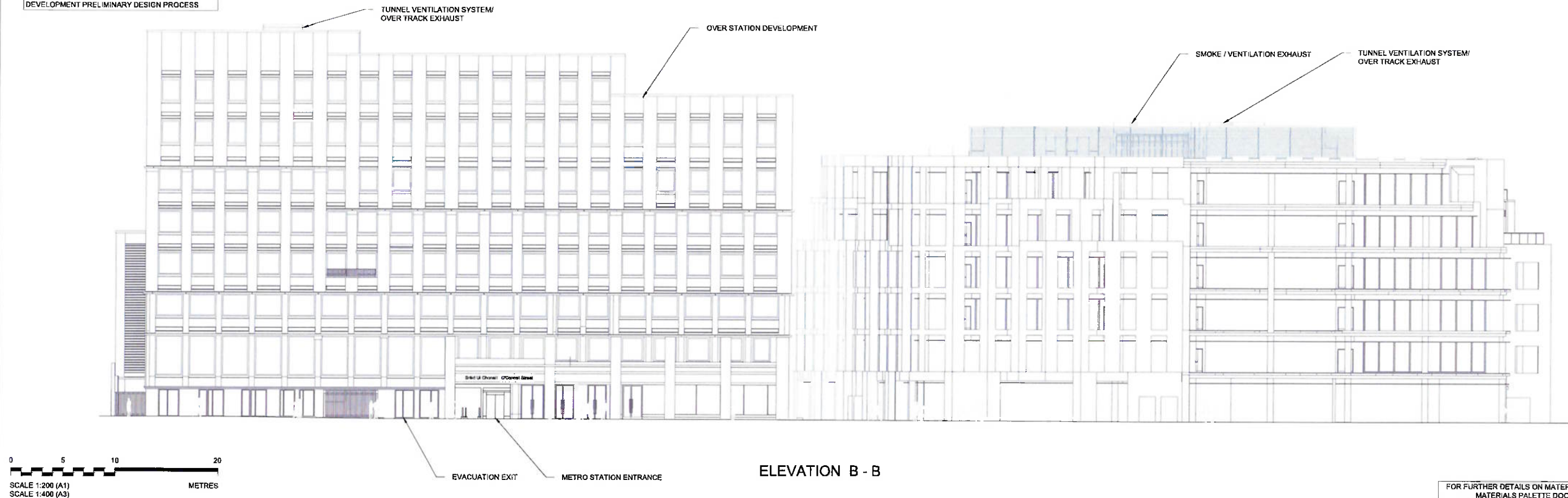


THE DETAILS OF THE PROPOSED BUILDING ABOVE THE STATION ARE INDICATIVE ONLY AND ARE BASED ON THE INFORMATION RECEIVED FROM THIS PROPOSED DEVELOPER DURING THE DEVELOPMENT PRELIMINARY DESIGN PROCESS



ELEVATION A - A

THE DETAILS OF THE PROPOSED BUILDING ABOVE THE STATION ARE INDICATIVE ONLY AND ARE BASED ON THE INFORMATION RECEIVED FROM THIS PROPOSED DEVELOPER DURING THE DEVELOPMENT PRELIMINARY DESIGN PROCESS



ELEVATION B - B

FOR FURTHER DETAILS ON MATERIALS REFER TO MATERIALS PALETTE DOCUMENT

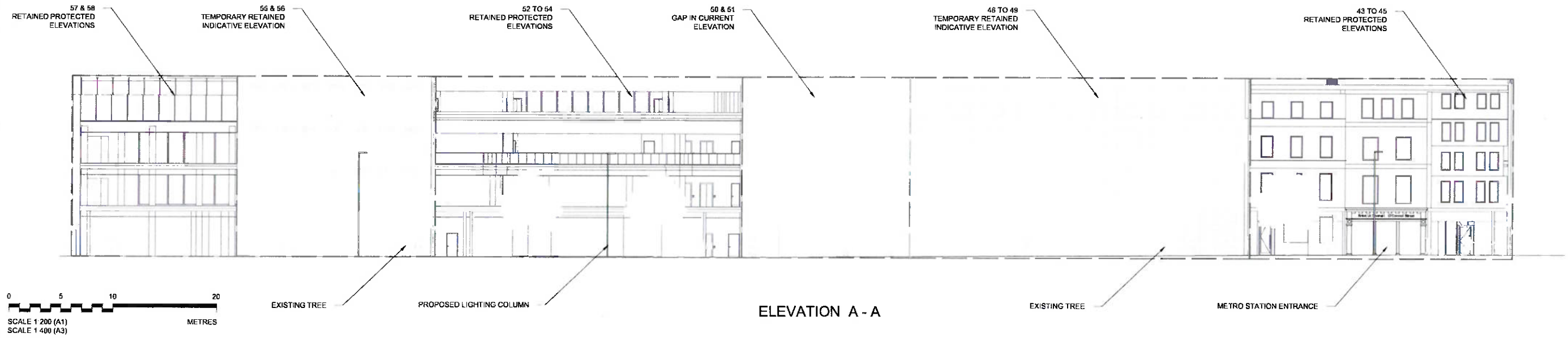


P01	29/07/21	For Railway Order	BJ	JR	RS	NC
P02	20/05/22	For Railway Order	BJ	JR	AS	PB
P03	17/08/22		OO	MM	AS	PB
P04.1	20/03/24					
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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All elevations are in metres and relate to OSi Geoid Mode (OSGM22) Mean Sea Level as defined by existing Project Control						
All Coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station Tm_sphn Co_sphn (Tm_sphn)						

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - STRUCTURES O'CONNELL STREET STATION STREET LEVEL ELEVATION	S0
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-SRD-ROUT_XX-DR-Y-02072	Plan Drawing N° ML-ST 305 F-G2
Scales Original Size A1 AS SHOWN			Sheet 2 of 7



THE DETAILS OF THE EXISTING FAÇADE ARE INDICATIVE ONLY



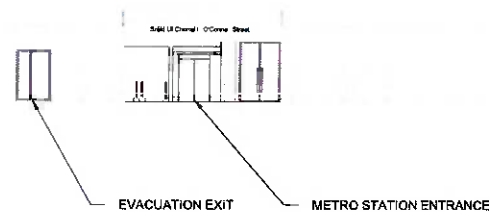
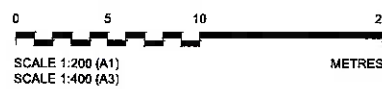
THE DETAILS OF THE EXISTING FAÇADE ARE INDICATIVE ONLY

ALL FAÇADES AT THE FRONT OF O'CONNELL STREET TO BE RETAINED INTERNALLY FROM WITHIN THE SITE

ALL FAÇADES AT THE FRONT OF O'CONNELL STREET TO BE RETAINED INTERNALLY FROM WITHIN THE SITE

HOARDING

HOARDING



ELEVATION B - B

FOR FURTHER DETAILS ON MATERIALS REFER TO MATERIALS PALETTE DOCUMENT

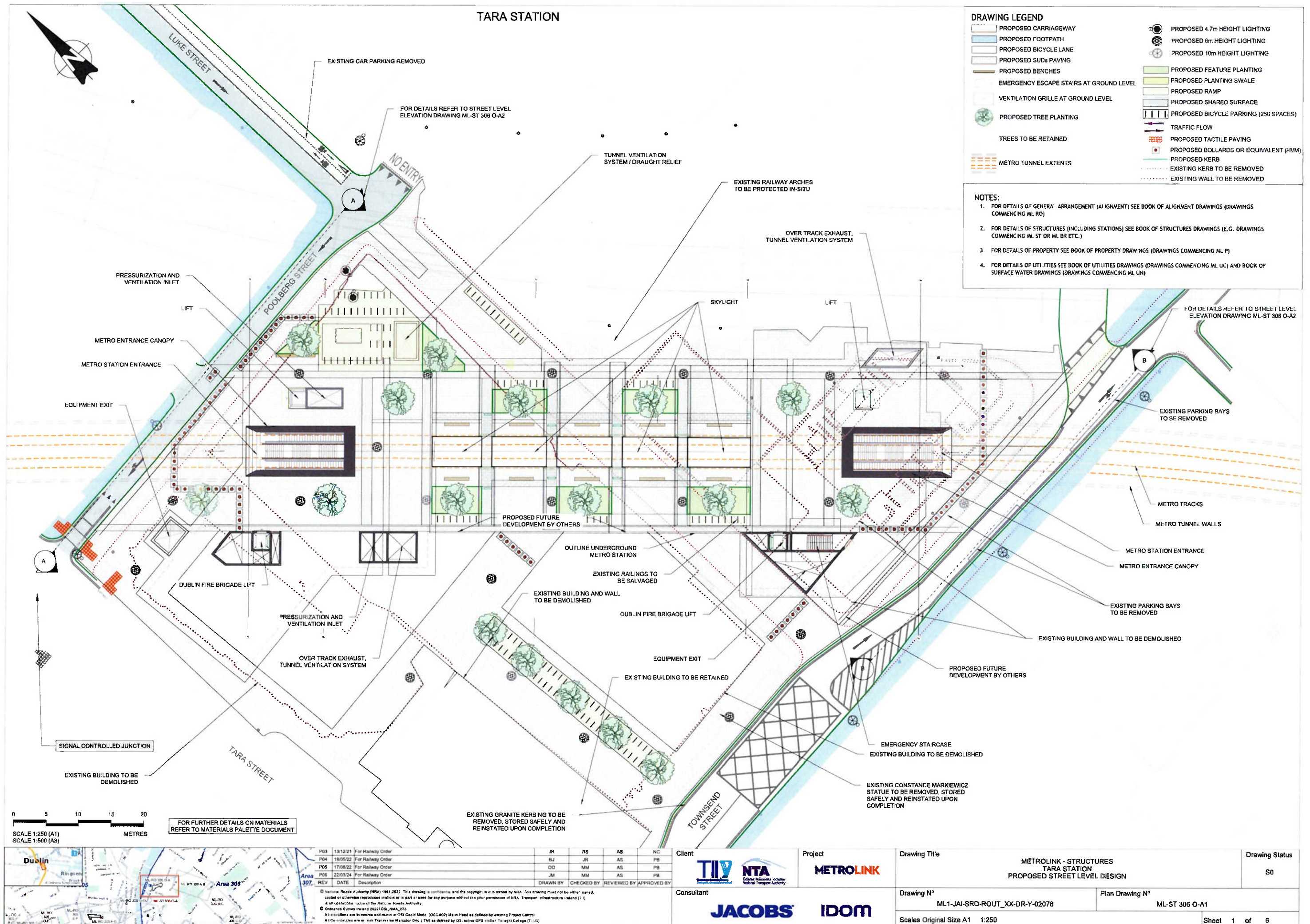


REV.	DATE	Description	DT	JM	JB	PB
P01	21/03/24	For Railway Order				
REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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All elevations are in metres and in situ to OSI Grand Node (OSGM002) Main Head as defined by existing Project Control.						
All coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active GPS station T11111111 (T11111111).						

Client	Project	Drawing Title	Drawing Status
TII NTA	METROLINK	METROLINK - STRUCTURES O'CONNELL STREET STATION NO OVERSITE DEVELOPMENT STREET LEVEL ELEVATION	S0
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-SRD-ROUT_XX-DR-Y-0901	Plan Drawing N° ML-ST 305 F-G2A
Scales Original Size A1 AS SHOWN			Sheet 1 of 1



# TARA STATION

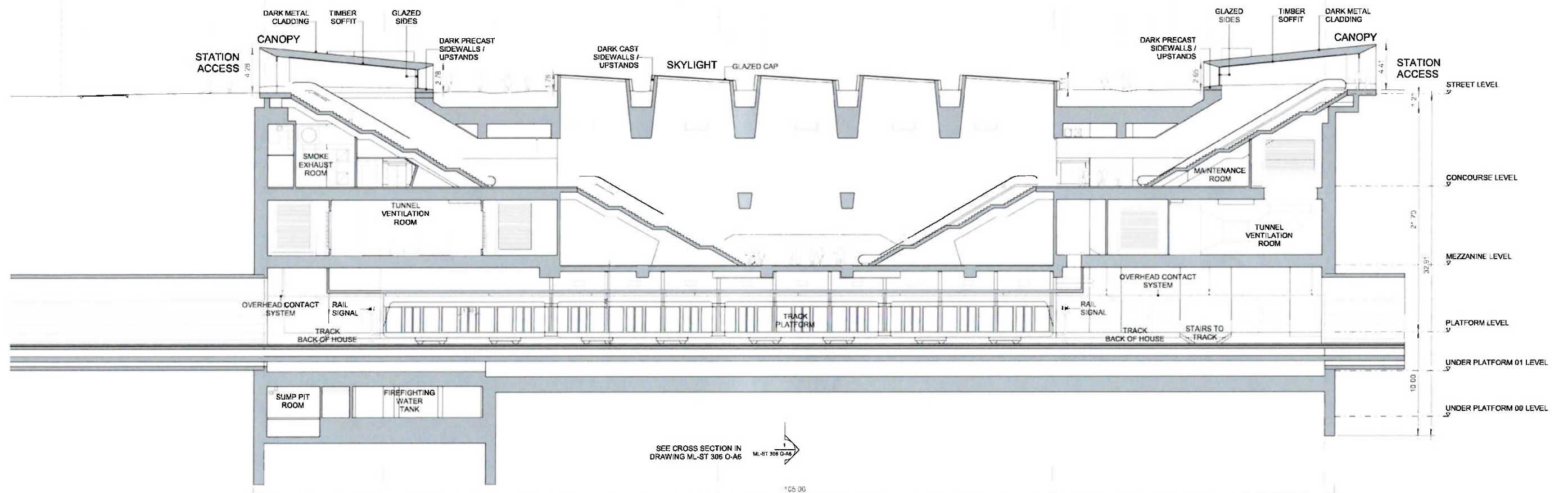




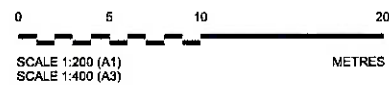
PROPOSED OUTLINE OF FUTURE DEVELOPMENT: THE BUILDING LINE INDICATED ON THIS DRAWING IS INDICATIVE ONLY. THE DESIGN OF THIS BUILDING IS NOT PART OF THE METROLINK PROJECT AND WOULD BE SUBJECT TO A SEPARATE PLANNING APPLICATION.

EXISTING TARA STREET RAILWAY STATION VIADUCT

SEE CROSS SECTION IN DRAWING ML-ST 306 O-A6



TARA STATION - LONGITUDINAL SECTION  
1 : 200



- NOTES:
1. FOR DETAILS OF UTILITIES, SEE BOOK OF UTILITY DRAWINGS (DRAWINGS COMMENCING ML-UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML-UN)
  2. FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT), SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML-RO)
  3. FOR LANDSCAPE DETAILS, SEE PROPOSED STREET LEVEL DESIGN PLAN AND STREET LEVEL ELEVATIONS DRAWINGS (DRAWINGS COMMENCING ML-ST)



P04	MAR 24	FOR RAILWAY ORDER	AMM	GOV	JB.L	PB
P03	MAY 22	FOR RAILWAY ORDER	AMM	GOV	JB.L	NC
P02	MAY 22	FOR RAILWAY ORDER	AMM	GOV	JB.L	NC
P01	OCT 21	FOR RAILWAY ORDER	TFS	GOV	JB.L	NC
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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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 TaraTight College (TLG).						

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - STRUCTURES TARA STATION LONGITUDINAL SECTION	S0
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-SRD-ROUT_XX-DR-Y-02082	ML-ST 306 O-A5	
	Scales Original Size A1 1 : 200		Sheet 5 of 6



**ST. STEPHENS GREEN STATION**

**DRAWING LEGEND**

- PROPOSED CARRIAGEWAY
- PROPOSED FOOTPATH
- PROPOSED BICYCLE LANE
- PROPOSED SUDs PAVING
- PROPOSED BUS STOP
- PROPOSED BENCHES
- EMERGENCY ESCAPE STAIRS AT GROUND LEVEL
- VENTILATION GRILLE AT GROUND LEVEL
- EXISTING TREES TO BE REMOVED
- PROPOSED TREE PLANTING
- TREES TO BE RETAINED
- PROPOSED 8m HEIGHT LIGHTING
- PROPOSED 10m HEIGHT LIGHTING
- PROPOSED BUS LANE
- PROPOSED FEATURE PLANTING
- PROPOSED SHRUBS AREA
- PROPOSED MACADAM PATH
- PROPOSED FEATURE STONE PAVING
- PROPOSED HERITAGE GRANITE SETTS PAVING
- PROPOSED ROAD ISLAND
- PROPOSED BICYCLE PARKING (82 SPACES)
- TRAFFIC FLOW
- PROPOSED FENCE
- PROPOSED BOLLARDS OR EQUIVALENT (HVM)
- PROPOSED KERB
- EXISTING KERB TO BE REMOVED
- EXISTING WALL TO BE REMOVED
- PROPOSED 8m HEIGHT LIGHTING
- PROPOSED 10m HEIGHT LIGHTING
- PROPOSED BUS LANE
- PROPOSED FEATURE PLANTING
- PROPOSED SHRUBS AREA
- PROPOSED MACADAM PATH
- PROPOSED FEATURE STONE PAVING
- PROPOSED HERITAGE GRANITE SETTS PAVING
- PROPOSED ROAD ISLAND
- PROPOSED BICYCLE PARKING (82 SPACES)
- TRAFFIC FLOW
- PROPOSED FENCE
- PROPOSED BOLLARDS OR EQUIVALENT (HVM)
- PROPOSED KERB
- EXISTING KERB TO BE REMOVED
- EXISTING WALL TO BE REMOVED

**NOTES:**

- FOR DETAILS OF GENERAL ARRANGEMENT (ALIGNMENT) SEE BOOK OF ALIGNMENT DRAWINGS (DRAWINGS COMMENCING ML RD)
- FOR DETAILS OF STRUCTURES (INCLUDING STATIONS) SEE BOOK OF STRUCTURES DRAWINGS (E.G. DRAWINGS COMMENCING ML ST OR ML BR ETC.)
- FOR DETAILS OF PROPERTY SEE BOOK OF PROPERTY DRAWINGS (DRAWINGS COMMENCING ML P)
- FOR DETAILS OF UTILITIES SEE BOOK OF UTILITIES DRAWINGS (DRAWINGS COMMENCING ML UC) AND BOOK OF SURFACE WATER DRAWINGS (DRAWINGS COMMENCING ML UN)

**FOR FURTHER DETAILS ON MATERIALS REFER TO MATERIALS PALETTE DOCUMENT**

P02	10/12/21	For Railway Order	JR	RS	AS	NC
P03	18/05/22	For Railway Order	BJ	JR	AS	PB
P04	23/08/22	For Railway Order	OO	MM	AS	PB
P05	15/03/24	For Railway Order	MM	AS	NC	PB
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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Ⓢ Ordnance Survey re-use 2022 Ordnance Survey, 273. All coordinates are in metres and metres in GCS (Easting) Model (OSBM02) Me in Head as defined by existing Project Control. All coordinates are in Irish Transverse Mercator Grid (TM) as defined by GSI station GPS station Te Agha Co. (T).

Client	 
Consultant	

**JACOBS** IDOM

Project

**METROLINK**

Drawing Title	
---------------	--

Drawing N° ML1-JAI-SRD-ROUT XX-DR-Y-02084

Scales Original Size A1 1:250

**METROLINK - STRUCTURES  
ST. STEPHENS GREEN STATION  
PROPOSED STREET LEVEL DESIGN**

Plan Drawing N°	ML-ST 306 C-D1
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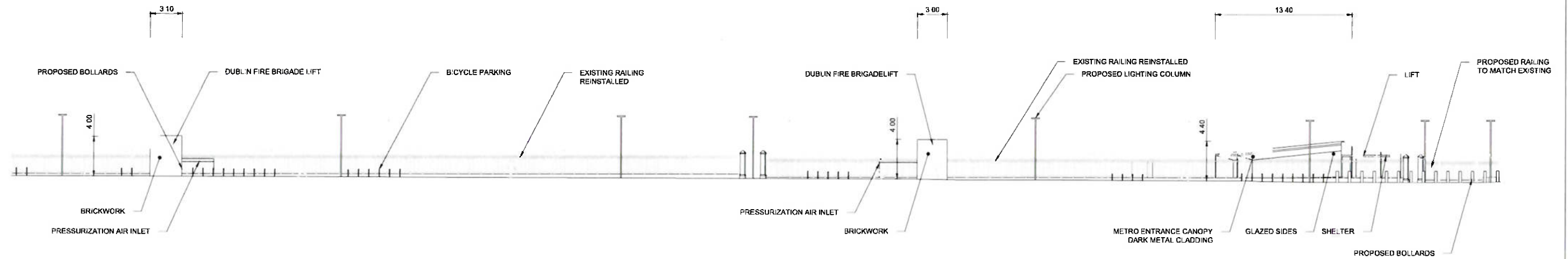
ML-ST 306 C-D1

Drawing Status	\$0
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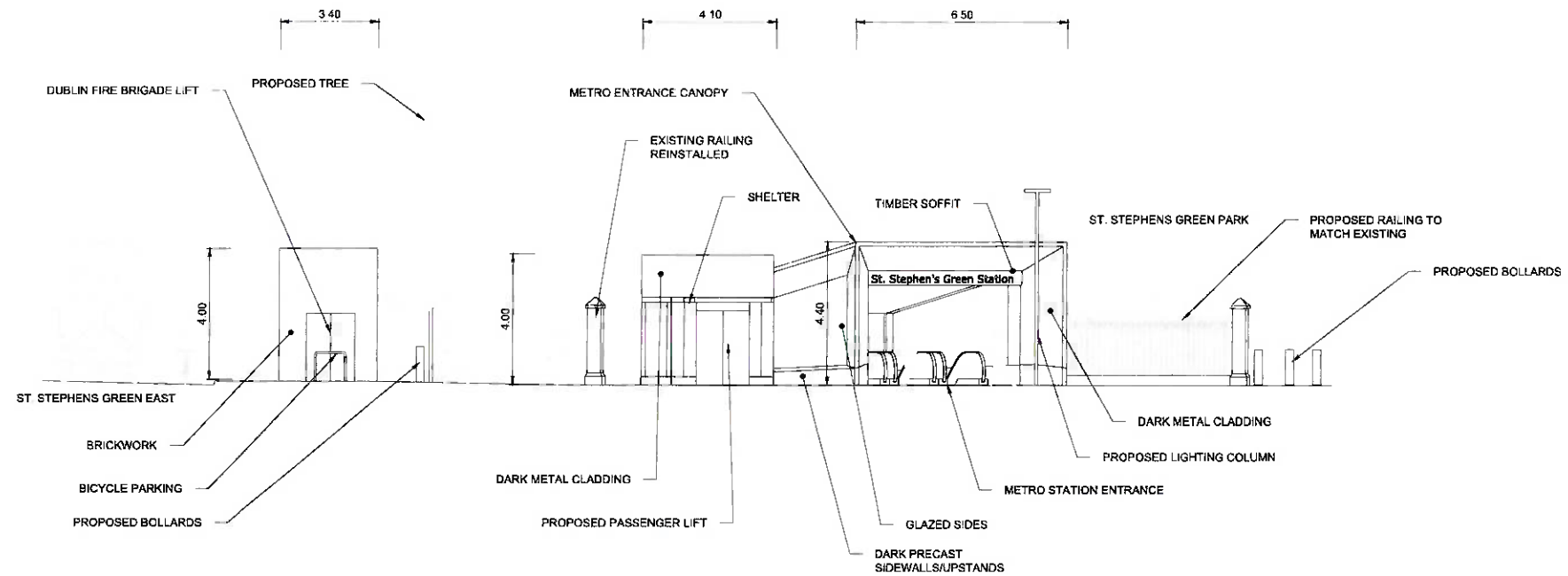
\$0

Sheet 1 of 6





ELEVATION A - A



ELEVATION B - B

FOR FURTHER DETAILS ON MATERIALS  
REFER TO MATERIALS PALETTE DOCUMENT







REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P02	16/12/21	For Railway Order	BJ	RS	RS	NC
P03	18/05/22	For Railway Order	BJ	JR	AS	PB
P04	17/08/22	For Railway Order	MM	AS	AS	PB
P05	15/03/24	For Railway Order	MM	AS	NC	PB

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All elevations are in metres and are also to ODN Geoid Model (OSBM02) MSL as defined by existing Project Control.

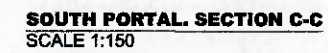
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by ODN active GPS station T4 (right Co-ords) (T1, T2).

Client	 	Project	Drawing Title		METROLINK - STRUCTURES ST. STEPHENS GREEN STATION STREET LEVEL ELEVATION	Drawing Status
	S0					
	Consultant		 	Drawing N°	ML1-JAI-SRD-ROUT_XX-DR-Y-02085	
		Scales Original Size A1 AS SHOWN				Sheet 2 of 6









1. REFER TO DRAWING ML-RO 302 E-F FOR SOUTH PORTAL ALIGNMENT PLAN



P04	MAR 24	FOR RAILWAY ORDER		DT	JB	JB	PB
P03	JUL 22	FOR RAILWAY ORDER		DT	MC	JB	PB
P02	NOV 21	FOR RAILWAY ORDER		DT	IM	JB	NC
P01	OCT 21	FOR RAILWAY ORDER		DT	AM	JB	NC
REV	DATE	Description		DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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- drawings are in metric and in accordance with BSI Standard Model (DDMMSS) Main Head as defined by existing Project Control
- Co-ordinates are in Irish Transverse Mercator (TM) as defined by OS active OPIS station T4 Agt Co (F4, G)

	Client
--	--------



Consultant	
------------	--

**JACOBS**

Project
---------



**IDOM**

Drawing Title
---------------

**METROLINK - STRUCTURES  
SOUTH PORTAL  
GENERAL ARRANGEMENT**

Drawing Status	
----------------	--

0

Drawing N°

ML1-JAI-SRD-ROUT\_XX-DR-Y-01002

Plan Drawing N°

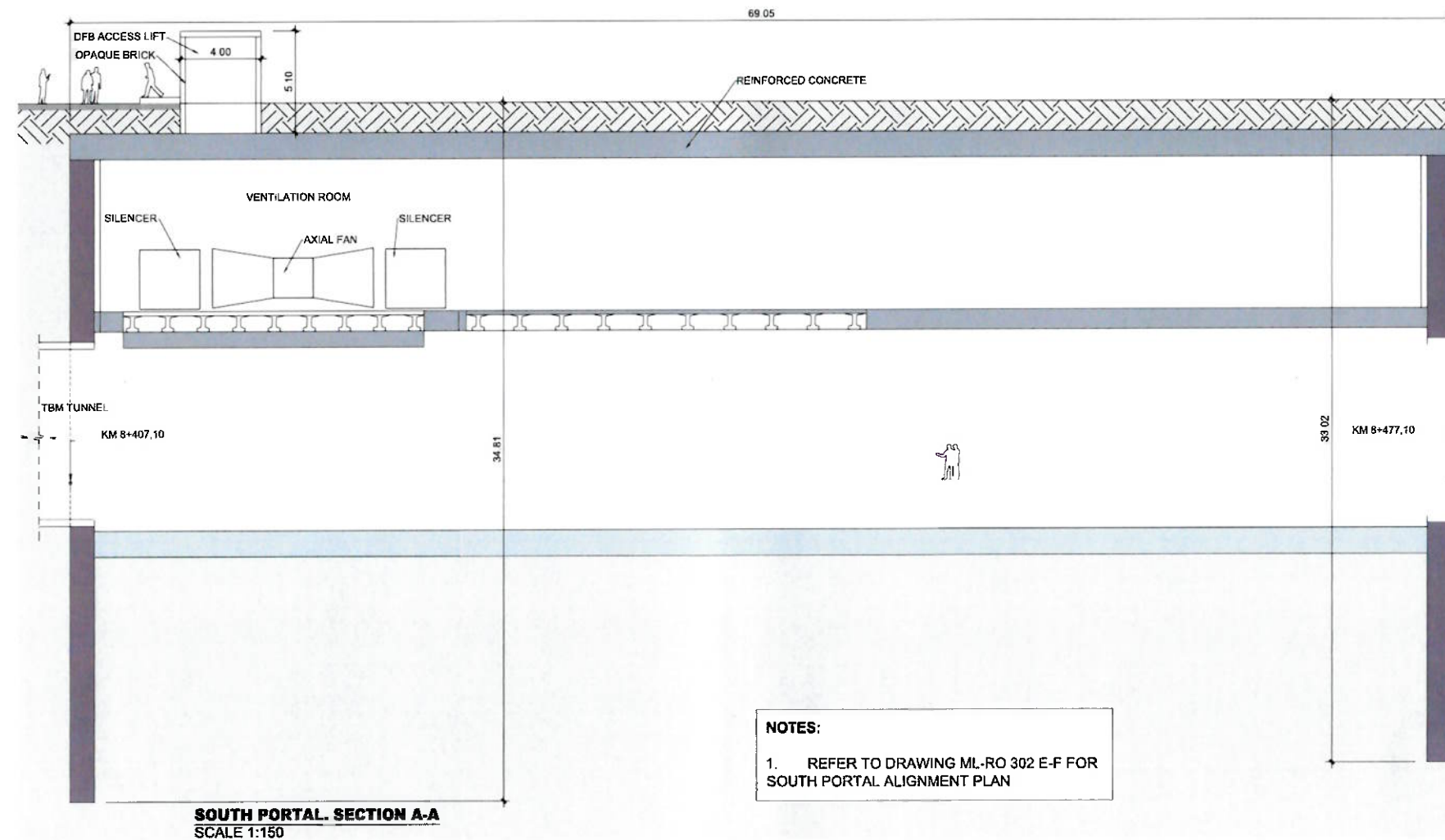
ML-TP 302 E-F

Scales Original Size A1 1:400-1:150

1 400	0	2	4	8	12	16	20	40
1 150	0	0 75	1 50	3	4 50	6	7 50	15

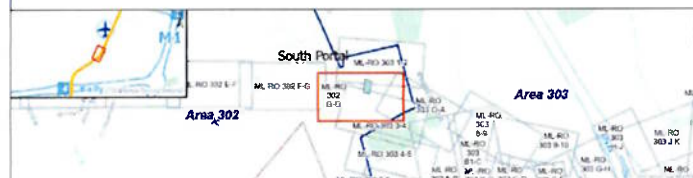
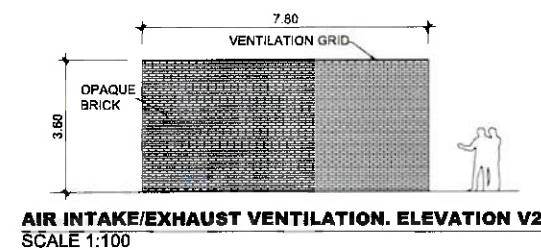
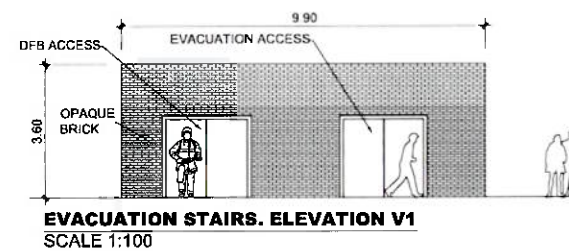
Sheet 1 of 2





**NOTES:**

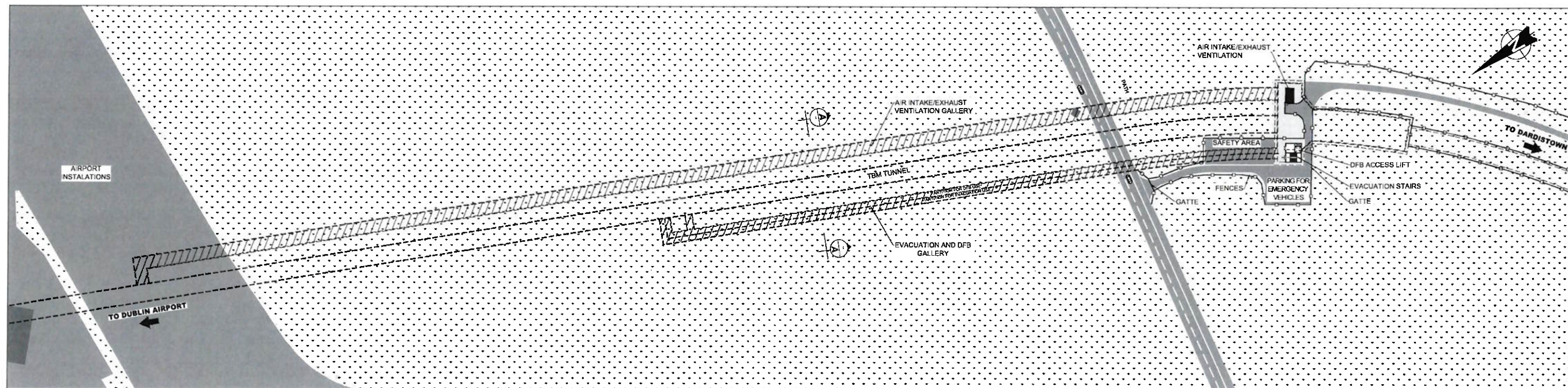
1. REFER TO DRAWING ML-RO 302 E-F FOR SOUTH PORTAL ALIGNMENT PLAN



P04	MAR 24	FOR RAILWAY ORDER	DT	JB	JB	PB
P03	JUL 22	FOR RAILWAY ORDER	DT	MC	JB	PB
P02	NOV 21	FOR RAILWAY ORDER	DT	IM	JB	NC
P01	OCT 21	FOR RAILWAY ORDER	DT	IM	JB	NC
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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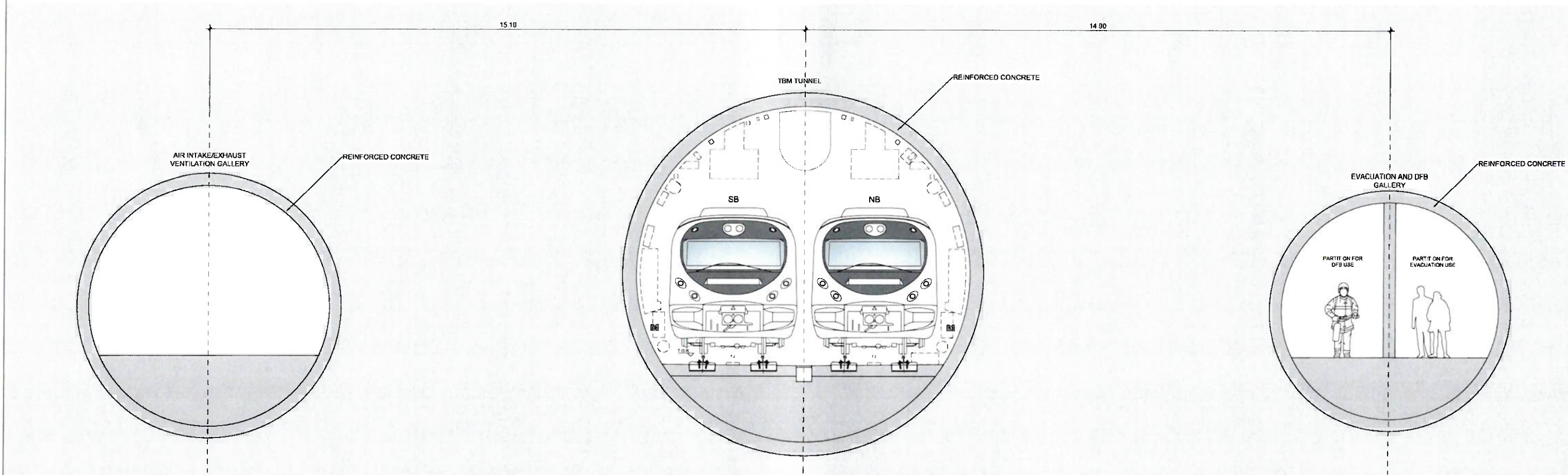
Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - STRUCTURES SOUTH PORTAL GENERAL ARRANGEMENT	S0
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-SRD-ROUT_XX-DR-Y-01002	Plan Drawing N° ML-TP 302 E-F
Scales Original Size A1 1:400-1:150		1:400 0 5 10 15 20 40 1:150 0 2.5 5 7.5 15	Sheet 2 of 2



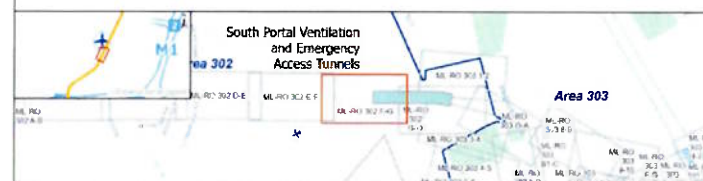


**SOUTH PORTAL VENTILATION AND EMERGENCY ACCESS TUNNELS. PLAN**  
SCALE 1:1000

**NOTES:**  
1. REFER TO DRAWING ML-RO 302 E-O FOR SOUTH PORTAL ALIGNMENT PLAN



**SOUTH PORTAL VENTILATION AND EMERGENCY ACCESS TUNNELS. SECTION A-A**  
SCALE 1:50



PD4	MAR 24	FOR RAILWAY ORDER	DT	JB	JB	PS
PD3	JUL 22	FOR RAILWAY ORDER	DT	MC	JB	PS
PD2	NOV 21	FOR RAILWAY ORDER	DT	IM	JB	NC
PD1	OCT 21	FOR RAILWAY ORDER	DT	IM	JB	NC
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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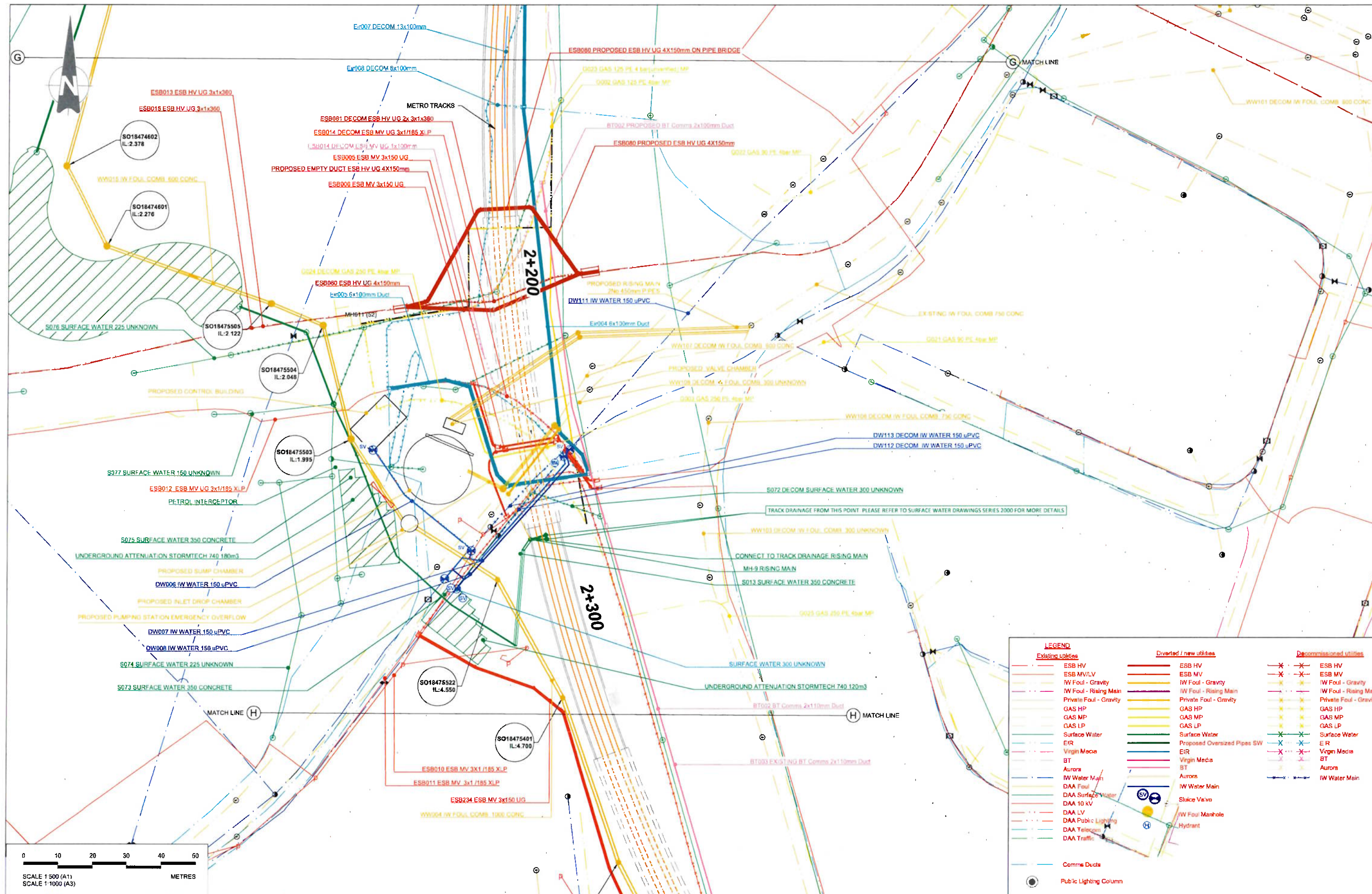
© Ordnance Survey. Used 2021 OSI, NIA, TII.

A. elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Centreline.

A. Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active GPS station To right Co-ordinate (T.C.O.).

Client	Project	Drawing Title	Drawing Status
TII NTA Consultant	METROLINK	METROLINK - STRUCTURES SOUTH PORTAL VENTILATION AND EMERGENCY ACCESS TUNNELS GENERAL ARRANGEMENT	S0
Drawing N°	Plan Drawing N°		
ML1-JAI-SRD-ROUT_XX-DR-Y-01003	ML-TP 302 E-O		
Scales Original Size A1	1:1000-1:50		
		Sheet 1 of 1	

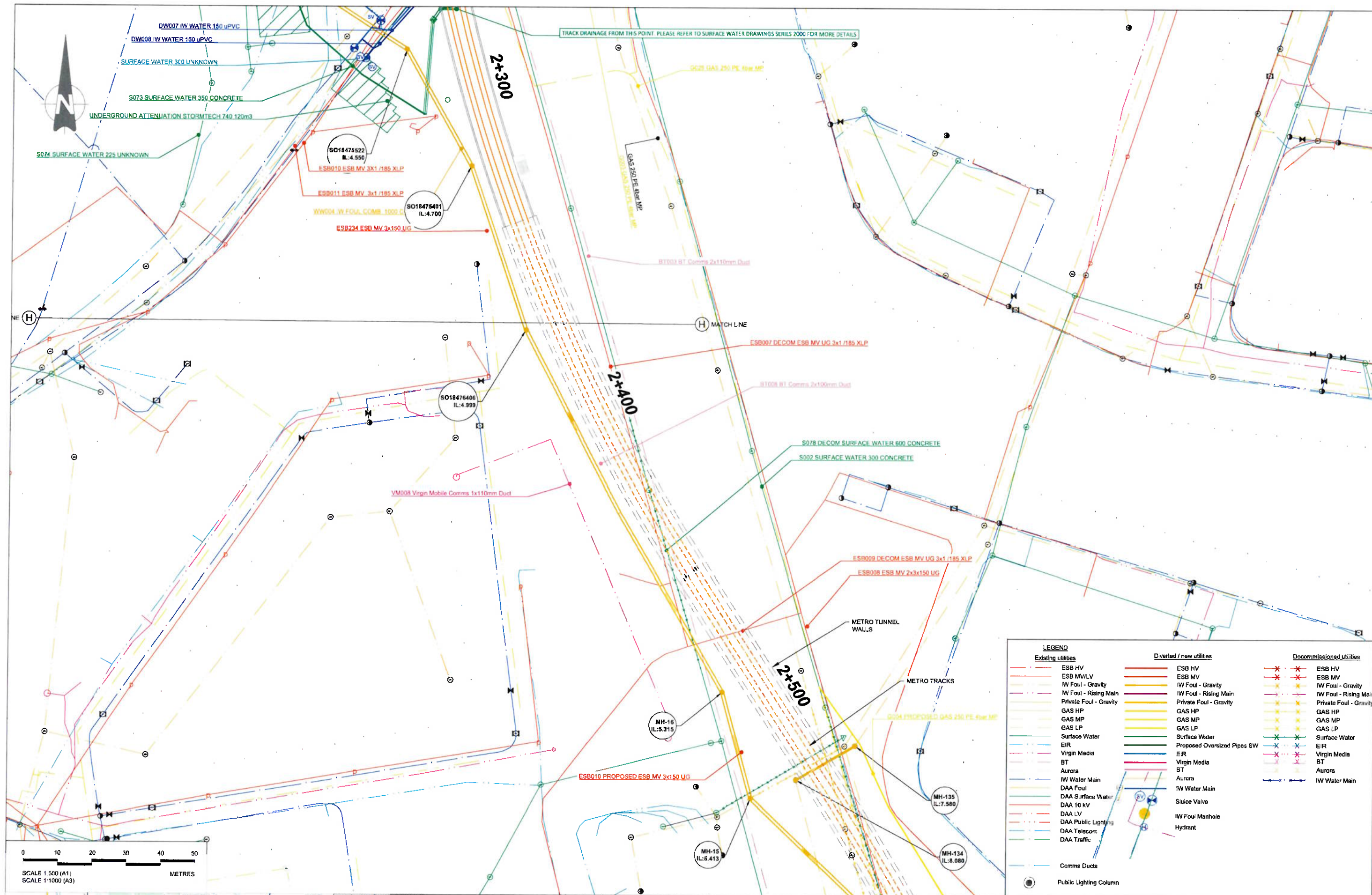


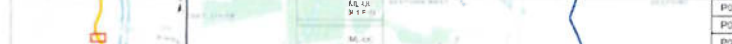

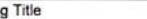





POS	07/09/22	FOR RAILWAY ORDER	BM	DS	DS	PB
P06	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P07	14/03/24	FOR RAILWAY ORDER	MP	DS	DS	PB
P08	14/03/24	FOR RAILWAY ORDER	JS	DS	DS	PB
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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© Co. Dublin Survey Ireland 2022. OSI: NMA 273.						
All elevations are in metres and relate to OSd Geoid Model (OSGM02) Mean Sea Level as defined by existing Project Control.						
All coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLD).						

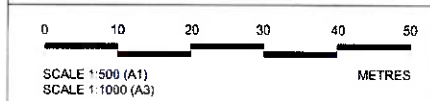
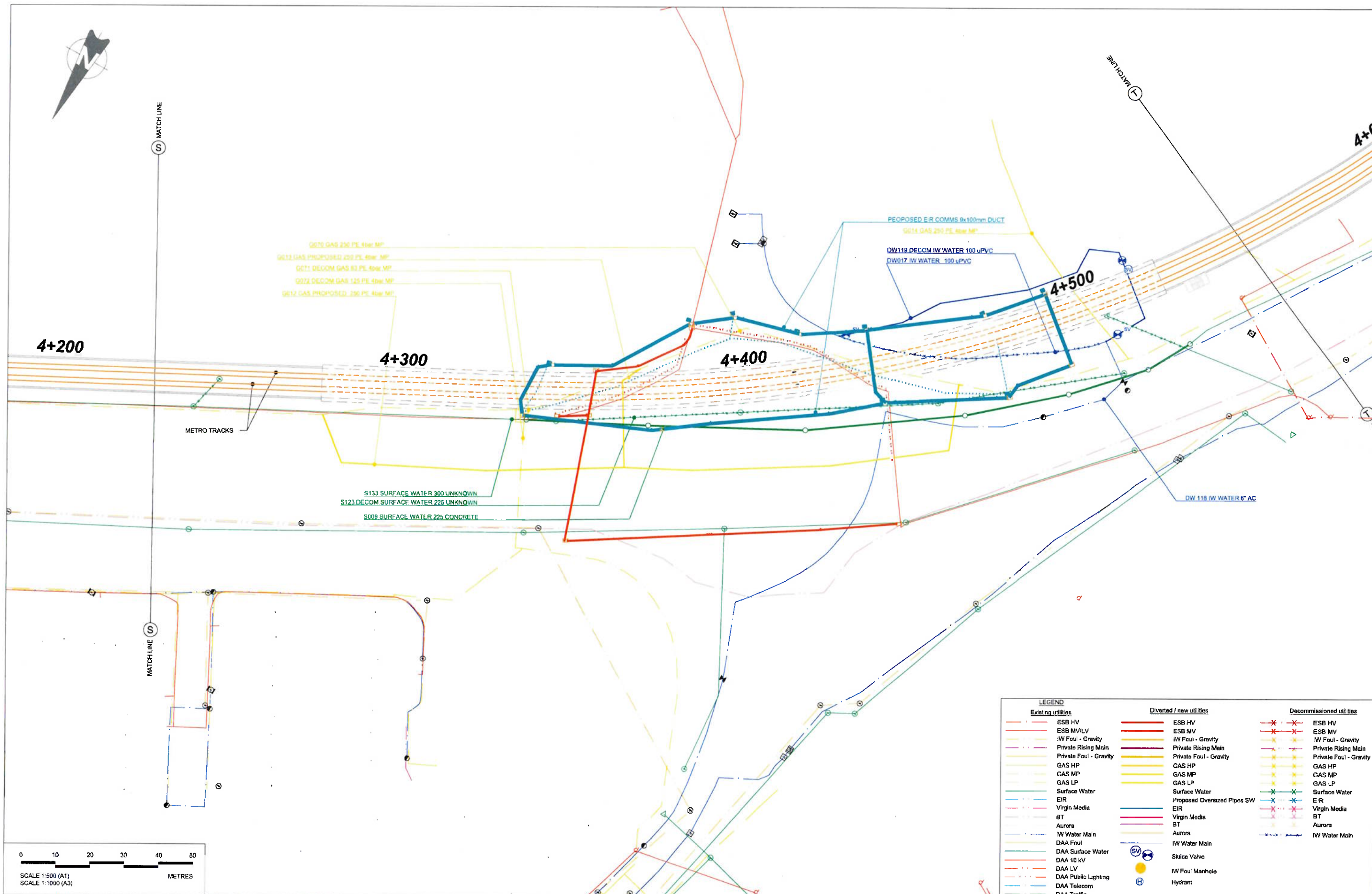
Client	Project	Drawing Title	Drawing Status
TII NTA Garda Síochána National Transport Authority	METROLINK	METROLINK - UTILITY DIVERSION BALHEARY DEMESNE (SHEET 5 OF 5)	S4
Consultant	JACOBS IDOM	Drawing N° ML1-JAI-URD-ROUT_XX-DR-Y-01011	Plan Drawing N° ML-UC 301 G-H
		Scales Original Size A1 AS SHOWN	Sheet 5 of 5





	P02 10/05/22 For Railway Order	AR	DS	DS	PB	 Client	 Project	 Project	Drawing Title	METROLINK - UTILITY DIVERSION SEATOWN (SHEET 1 OF 3)	Drawing Status	S4	
	P03 22/07/22 For Railway Order Issue	MP	DS	DS	PB								
	P04 13/04/23 Preliminary Design	ST	DS	DS	PB								
	P05 13/03/24 For Railway Order Issue	JS	DS	DS	PB								
	REV DATE Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY								
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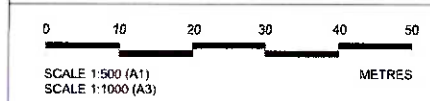
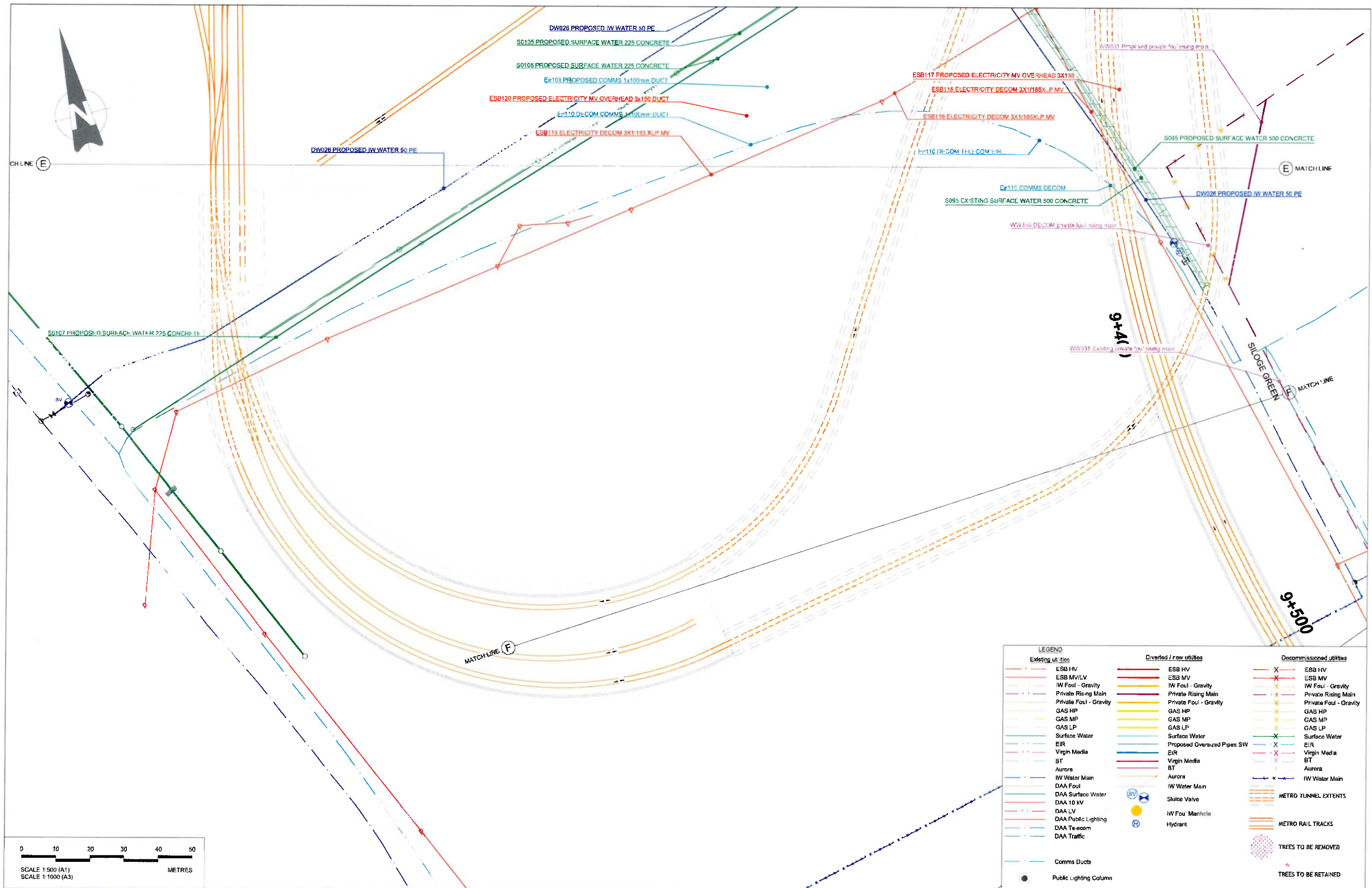
REV	DATE	DESCRIPTION	DR	DS	DS	DS	DS	DS
P02	24/05/22	FOR RAILWAY ORDER	AR	DS	DS	DS	DS	DS
P03	30/07/22	FOR RAILWAY ORDER	ST	DS	DS	DS	DS	DS
P04	13/04/23	FOR RAILWAY ORDER	BM	DS	DS	DS	DS	DS
P05	21/03/24	FOR RAILWAY ORDER	JS	DS	DS	DS	DS	DS
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY		

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© Crown Copyright and 2022/2021 OSI, NMA, 275  
All dimensions are in metres and relate to OSI (OSM02) Main Road as defined by existing Project Control  
All data and prices are as shown in the Transport Infrastructure (NI) and (T.I.) as defined by OSI active GPS station Tairagh College (T.L.C.)

Client	Project	Drawing Title	Drawing Status
	<b>METROLINK</b>	METROLINK - UTILITY DIVERSION PINNOCK HILL ROUNDABOUT	S4
Consultant	Drawing N°	Plan Drawing N°	
<b>JACOBS</b> <b>IDOM</b>	ML1-JAI-URD-ROUT_XX-DR-Y-01022	ML-UC 301 S-T	
	Scales Original Size A1 1:500	Sheet 1 of 1	

LEGEND		
Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	Virgin Media	Virgin Media
BT	BT	BT
Aurora	Aurora	Aurora
IW Water Main	IW Water Main	IW Water Main
DAA Foul	Siltice Valve	
DAA Surface Water	IW Foul Manhole	
DAA 10 kV	Hydrant	
DAA LV		
DAA Public Lighting		
DAA Telecom		
DAA Traffic		



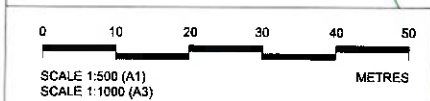
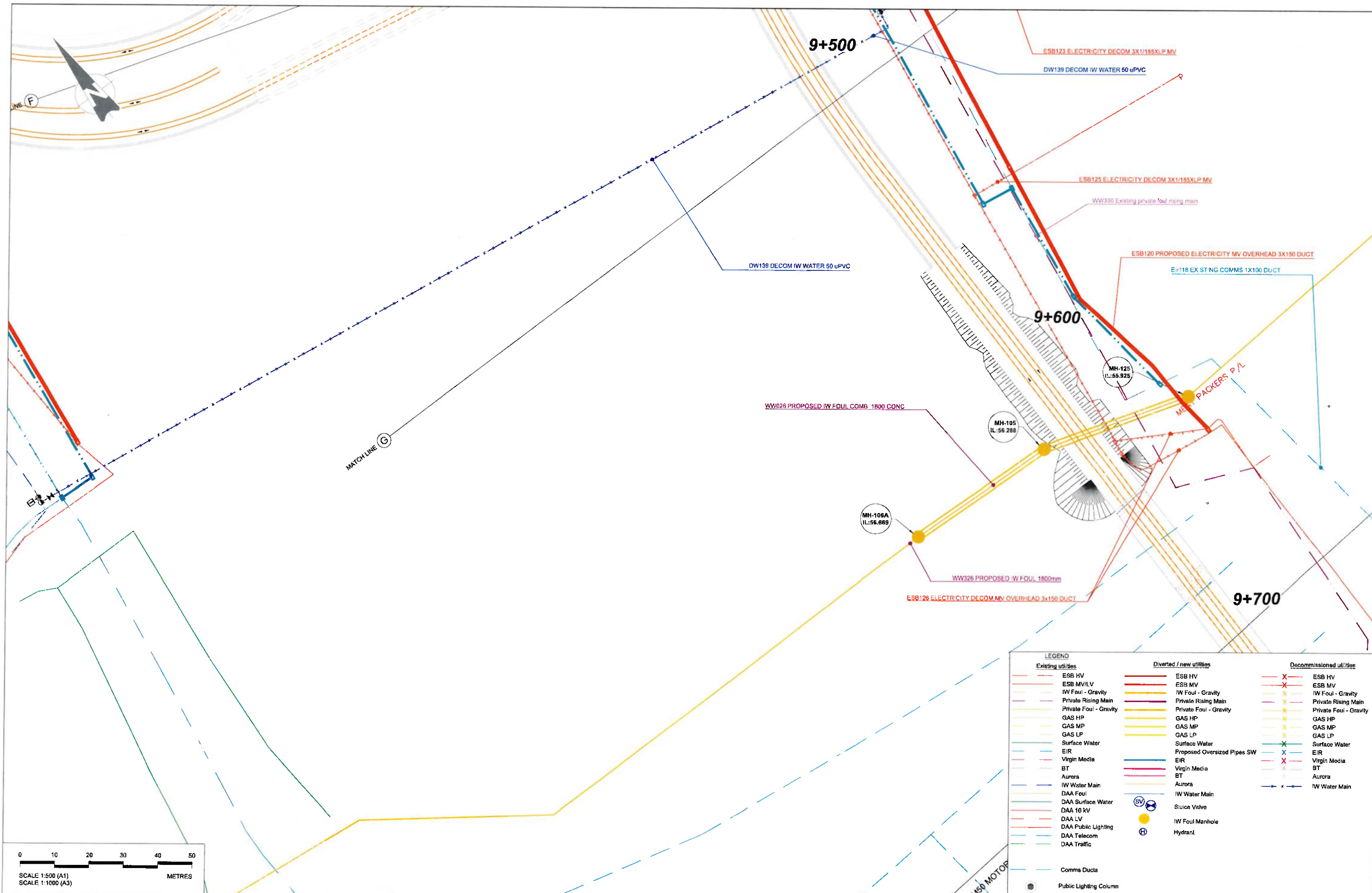


P02	24/05/22	FOR RAILWAY ORDER	AR	DS	DS	PS
P03	25/07/22	FOR RAILWAY ORDER	AR	DS	DS	PS
P04	13/04/23	Preliminary Design	BM	DS	DS	PS
P05	05/03/24	Proposed rising main drawing updated	MP	DS	DS	PS
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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Client			Project			Drawing Title	<b>METRO LINK - UTILITY DIVERSION BALLYMUN (SHEET 5 OF 11)</b>		Drawing Status	S0
Consultant			Drawing N°	ML1-JAI-URD-ROUT_XX-DR-Y-01048		Plan Drawing N°	ML-UC 303 E-F		Sheet 5 of 11	
			Scales Original Size A1	1:500						

LEGEND		
Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	EIR	Virgin Media
BT	Virgin Media	BT
Aurora	BT	Aurora
IW Water Main	Aurora	IW Water Main
DAA Foul	IW Water Main	
DAA Surface Water	Sluice Valve	
DAA 10 kV	IW Foul Manhole	
DAA LV	Hydrant	
DAA Public Lighting		
DAA Telecom		
DAA Traffic		
Comms Ducts		
Public Lighting Column		
		METRO TUNNEL EXTENTS
		METRO RAIL TRACKS
		TREES TO BE REMOVED
		TREES TO BE RETAINED





REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P05	10/10/23	ODDS alignment updated as per drawing ref 7556-2102 rev D02 received from IW	BM	DS	DS	PS
P06	11/10/23	ODDS alignment updated as per drawing ref 7556-2102 rev D02 received from IW	BM	DS	DS	PS
P07	12/03/24	For Railway Order	MP	DS	DS	PS
P08	22/03/24	For Railway Order	JS	DS	DS	PS

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A: elevations are in metres and relate to OSI Geoid Model (OSGM02) Mean Head as defined by existing Project Control.

A: Co-ordinates are in Irish Transverse Mercator Grid (TM) as defined by OSI active GPS station Tallaght College (TLLG).

Client	Project	Drawing Title	Drawing Status
TIV NTA National Transport Authority	METROLINK	METRO LINK - UTILITY DIVERSION BALLYMUN (SHEET 7 OF 11)	S4
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML1-JAI-URD-SC01_XX-DR-Y-01050	ML-UC 303 G- H	
	Scales Original Size A1 1:500		Sheet 7 of 11

Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	EIR	Virgin Media
BT	Virgin Media	BT
Aurora	BT	Aurora
IW Water Main	Aurora	IW Water Main
DAA Foul	IW Water Main	
DAA Surface Water	Sluice Valve	
DAA 10 kV	IW Foul Manhole	
DAA LV	Hydrant	
DAA Public Lighting		
DAA Telecom		
DAA Traffic		
	Comms Ducts	
	Public Lighting Column	

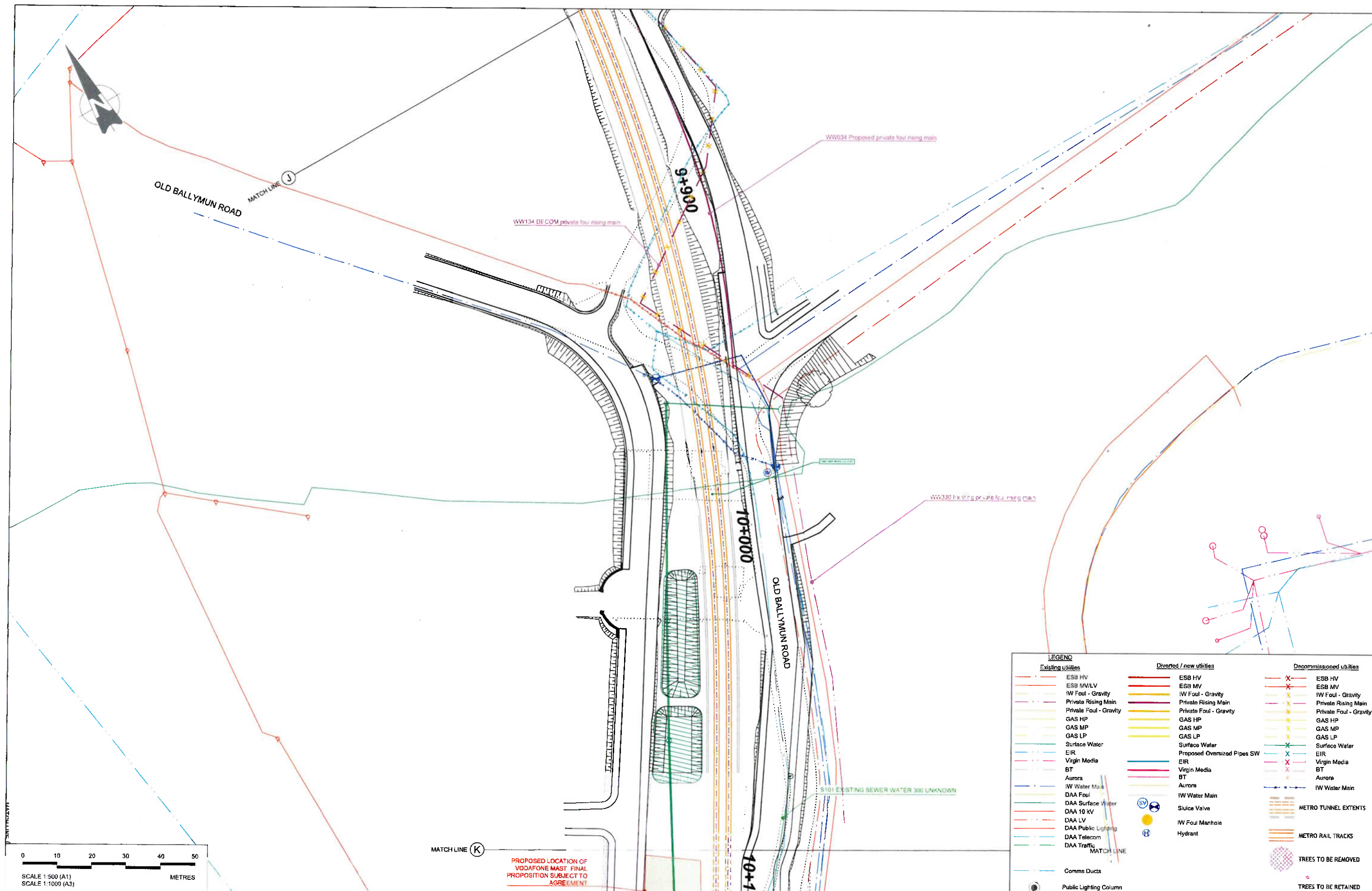












LEGEND		
Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	EIR	Virgin Media
BT	Virgin Media	BT
Aurora	BT	Aurora
IW Water Main	Aurora	IW Water Main
DAA Foul	IW Water Main	
DAA Surface Water	Sluice Valve	
DAA 10 KV	IW Foul Manhole	
DAA LV	Hydrant	
DAA Public Lighting		
DAA Telecom		
Comms Ducts		
Public Lighting Column		
		METRO TUNNEL EXTENTS
		METRO RAIL TRACKS
		TREES TO BE REMOVED
		TREES TO BE RETAINED

Area 302

Area 303

Area 304

REV	DATE	DESCRIPTION
P04	31/07/22	FOR RAILWAY ORDER
P05	13/04/23	FOR RAILWAY ORDER
P06	12/03/24	FOR RAILWAY ORDER
P07	18/03/24	FOR RAILWAY ORDER

PROPOSED LOCATION OF VODAFONE MAST FINAL PROPOSITION SUBJECT TO AGREEMENT

KP	DS	DS	PB
BM	DS	DS	PB
MP	DS	DS	PB
JS	DS	DS	PB

DRAWN BY: CHECKED BY: REVIEWED BY: APPROVED BY:

Client: TIV NTA

Project: METROLINK

Consultant: JACOBS IDOM

Drawing Title: METRO LINK - UTILITY DIVERSION OLD BALLYMUN ROAD (NORTH)

Drawing Status: S4

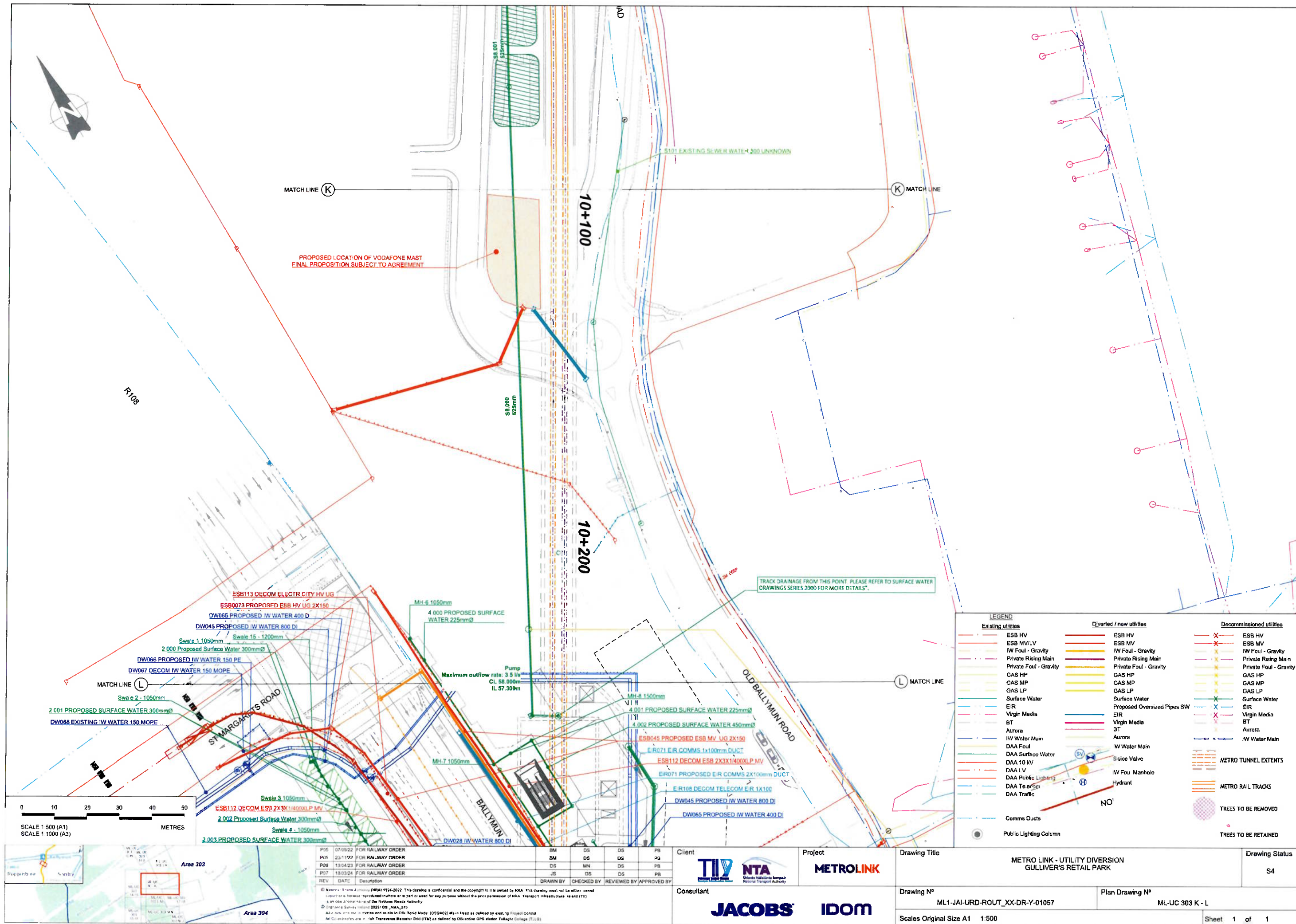
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Plan Drawing N°: ML-UC 303 J - K

Scales Original Size A1 1:500

Sheet 1 of 1





MATCH LINE (K)

MATCH LINE (K)

PROPOSED LOCATION OF VODAFONE MAST  
FINAL PROPOSITION SUBJECT TO AGREEMENT

10+100

10+200

TRACK DRAINAGE FROM THIS POINT. PLEASE REFER TO SURFACE WATER DRAWINGS SERIES 2000 FOR MORE DETAILS.

MATCH LINE (L)

LEGEND		
Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	EIR	Virgin Media
BT	Virgin Media	BT
Aurora	BT	Aurora
IW Water Main	Aurora	IW Water Main
DAA Foul	IW Water Main	
DAA Surface Water	Sluice Valve	
DAA 10 kV	IW Fou Manhole	
DAA LV	Hydrant	
DAA Public Lighting		
DAA Telecom		
DAA Traffic		
Comms Ducts		
Public Lighting Column		
		METRO TUNNEL EXTENTS
		METRO RAIL TRACKS
		TREES TO BE REMOVED
		TREES TO BE RETAINED

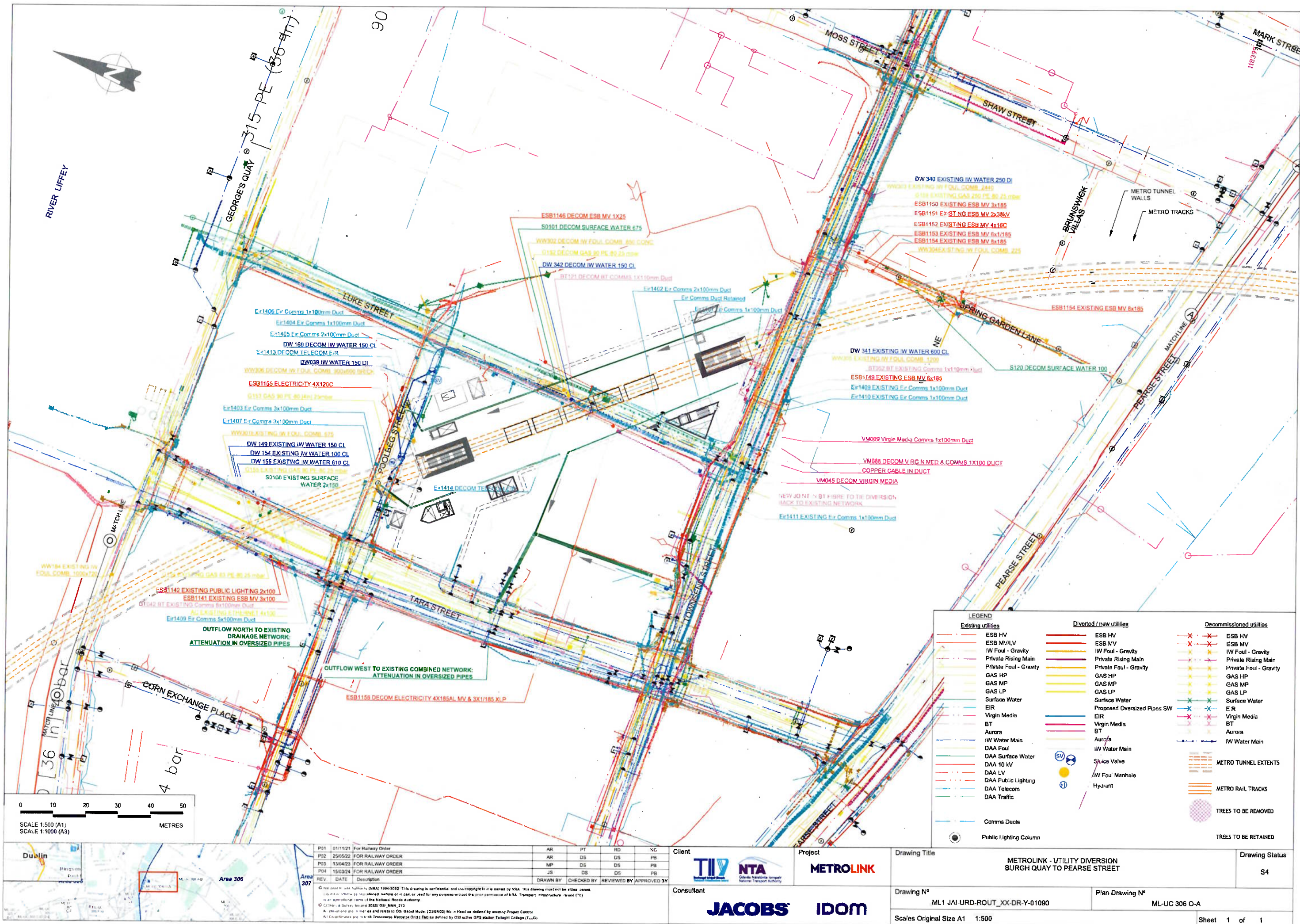
0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P05	07/09/22	FOR RAILWAY ORDER	BM	DS	DS	PB
P06	23/11/22	FOR RAILWAY ORDER	BM	DS	DS	PB
P07	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P08	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P09	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P10	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P11	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P12	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P13	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P14	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P15	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P16	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P17	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P18	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P19	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P20	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P21	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P22	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P23	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P24	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P25	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P26	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P27	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P28	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P29	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P30	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P31	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P32	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P33	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P34	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P35	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P36	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P37	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P38	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P39	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P40	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P41	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P42	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P43	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P44	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P45	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P46	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P47	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P52	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P53	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P54	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P55	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P56	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P72	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P74	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P75	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P77	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P79	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P81	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P82	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P83	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P84	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P85	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P86	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P87	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
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P96	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P97	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P98	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P99	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB
P100	13/04/23	FOR RAILWAY ORDER	DS	MN	DS	PB

Client	Project	Drawing Title	Drawing Status
NTA	METROLINK	METRO LINK - UTILITY DIVERSION GULLIVER'S RETAIL PARK	S4
Consultant		Drawing N°	Plan Drawing N°
JACOBS	IDOM	ML1-JAI-URD-ROUT_XX-DR-Y-01057	ML-UC 303 K - L
		Scales Original Size A1 1:500	Sheet 1 of 1





0 10 20 30 40 50  
SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

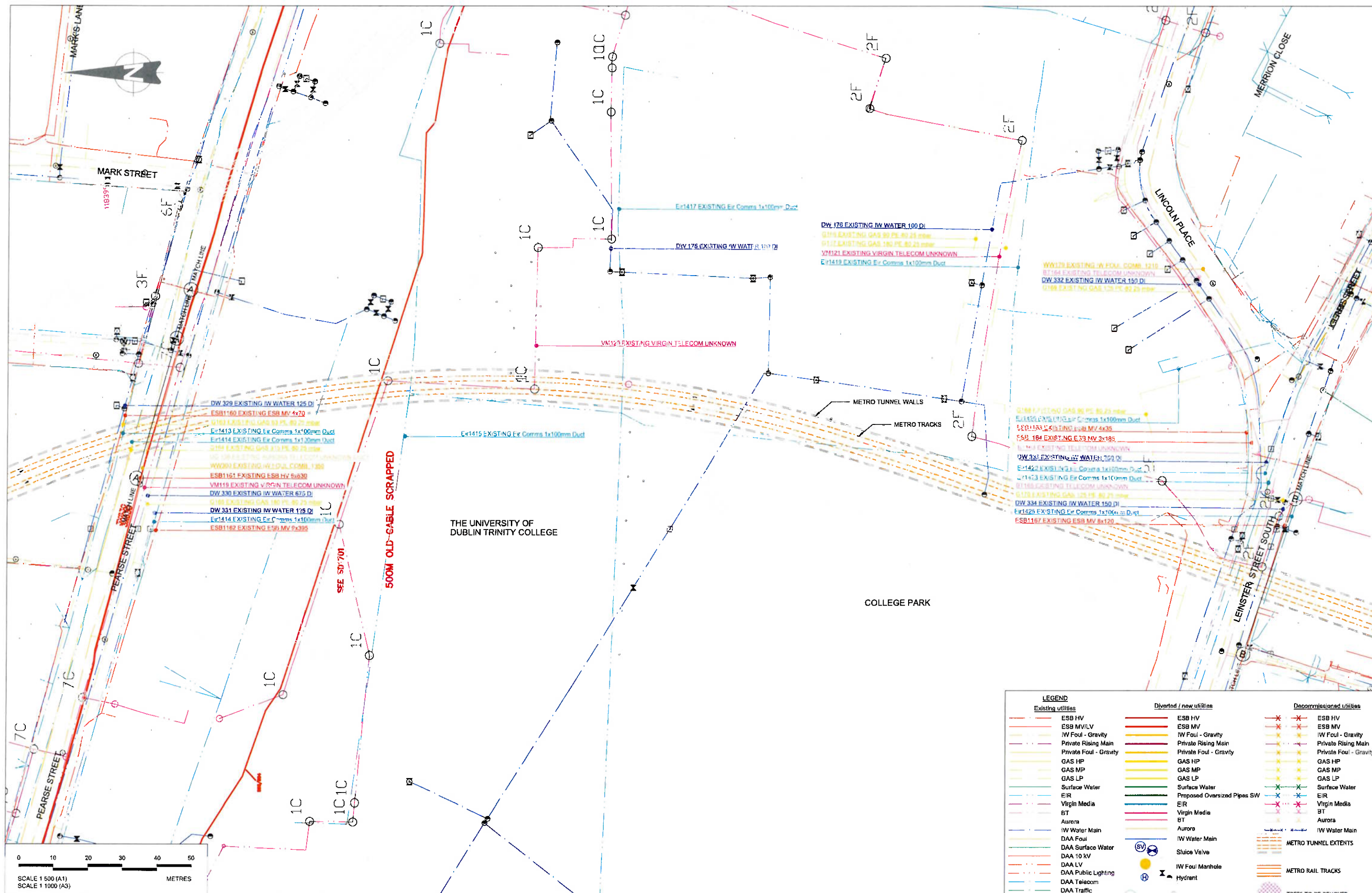


REV	DATE	DESCRIPTION	AR	PT	RD	NC
P01	01/11/21	For Railway Order	AR	PT	RD	NC
P02	25/05/22	FOR RAILWAY ORDER	AR	DS	DS	PB
P03	13/04/23	FOR RAILWAY ORDER	MP	DS	DS	PB
P04	15/03/24	FOR RAILWAY ORDER	JS	DS	DS	PB
DRAWN BY			CHECKED BY			REVIEWED BY
						APPROVED BY

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All elevations are in metres and relate to OS Grid Mode (OSGM02) Mean Sea Level as defined by existing Project Control  
All Coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Tallaght College (TLC01)

Client	Project	Drawing Title	Drawing Status
TII NTA National Transport Authority	METROLINK	METROLINK - UTILITY DIVERSION BURGH QUAY TO PEARSE STREET	S4
Consultant	Drawing N°	Plan Drawing N°	
JACOBS IDOM	ML-1-JAI-URD-ROUT_XX-DR-Y-01090	ML-UC 306 O-A	
	Scales Original Size A1 1:500		Sheet 1 of 1





LEGEND		
Existing utilities	Diverted / new utilities	Decommissioned utilities
ESB HV	ESB HV	ESB HV
ESB MV/LV	ESB MV	ESB MV
IW Foul - Gravity	IW Foul - Gravity	IW Foul - Gravity
Private Rising Main	Private Rising Main	Private Rising Main
Private Foul - Gravity	Private Foul - Gravity	Private Foul - Gravity
GAS HP	GAS HP	GAS HP
GAS MP	GAS MP	GAS MP
GAS LP	GAS LP	GAS LP
Surface Water	Surface Water	Surface Water
EIR	Proposed Oversized Pipes SW	EIR
Virgin Media	EIR	Virgin Media
BT	Virgin Media	BT
Aurora	BT	Aurora
IW Water Main	Aurora	IW Water Main
DAA Foul	IW Water Main	
DAA Surface Water	Stuice Valve	
DAA 10 kV	IW Foul Manhole	
DAA LV	Hydrant	
DAA Public Lighting		
DAA Telecom		
DAA Traffic		
		METRO TUNNEL EXTENTS
		METRO RAIL TRACKS
		TREES TO BE REMOVED

0 10 20 30 40 50 METRES

SCALE 1:500 (A1)

SCALE 1:1000 (A3)

Dublin

Area 306

Area 307

P01	01/11/21	FOR RAILWAY ORDER	AR	PT	RD	NC
P02	25/05/22	FOR RAILWAY ORDER	AR	DS	DS	PB
P03	13/04/23	FOR RAILWAY ORDER	MP	DS	DS	PB
P04	15/03/24	FOR RAILWAY ORDER	JS	DS	DS	PB
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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All coordinates are in metres and relate to OS Grid Model (OSGM02) Mean Sea Level as defined by existing Project Control.

All coordinates are in Irish Transverse Mercator (ITM) as defined by OS active GPS station Tallaght College (TL03).

Client

**TII** **NTA**

Consultant

**JACOBS** **IDOM**

Project

**METROLINK**

Drawing Title

METROLINK - UTILITY DIVERSION  
PEARSE STREET TO LEINSTER STREET SOUTH

Drawing N°

ML1-JAI-URD-ROUT\_XX-DR-Y-01091

Plan Drawing N°

ML-UC 306 A-B

Scales Original Size A1 AS SHOWN

Drawing Status

S4

Sheet 1 of 1





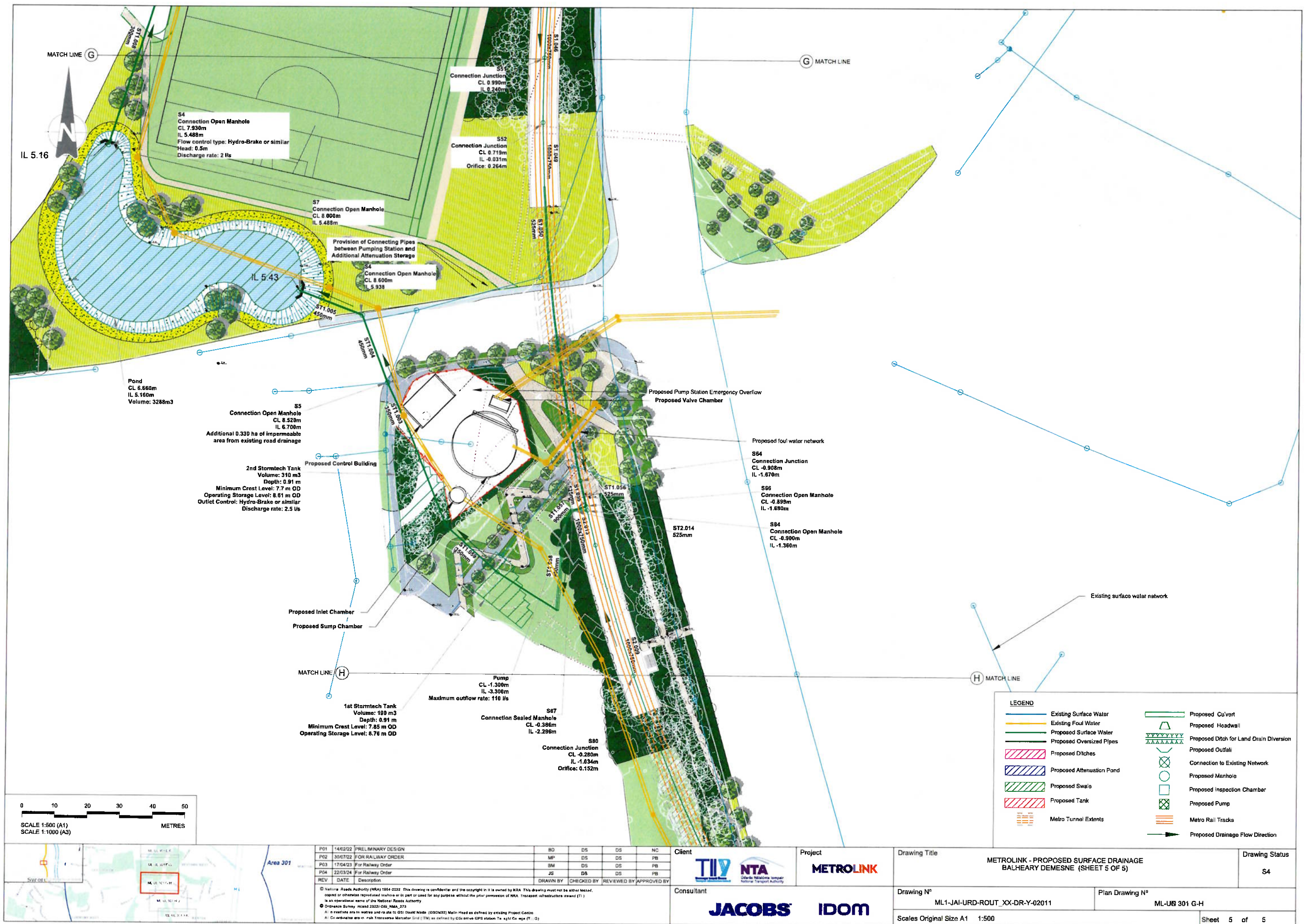








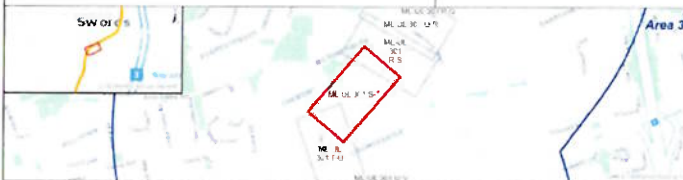
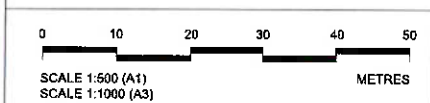
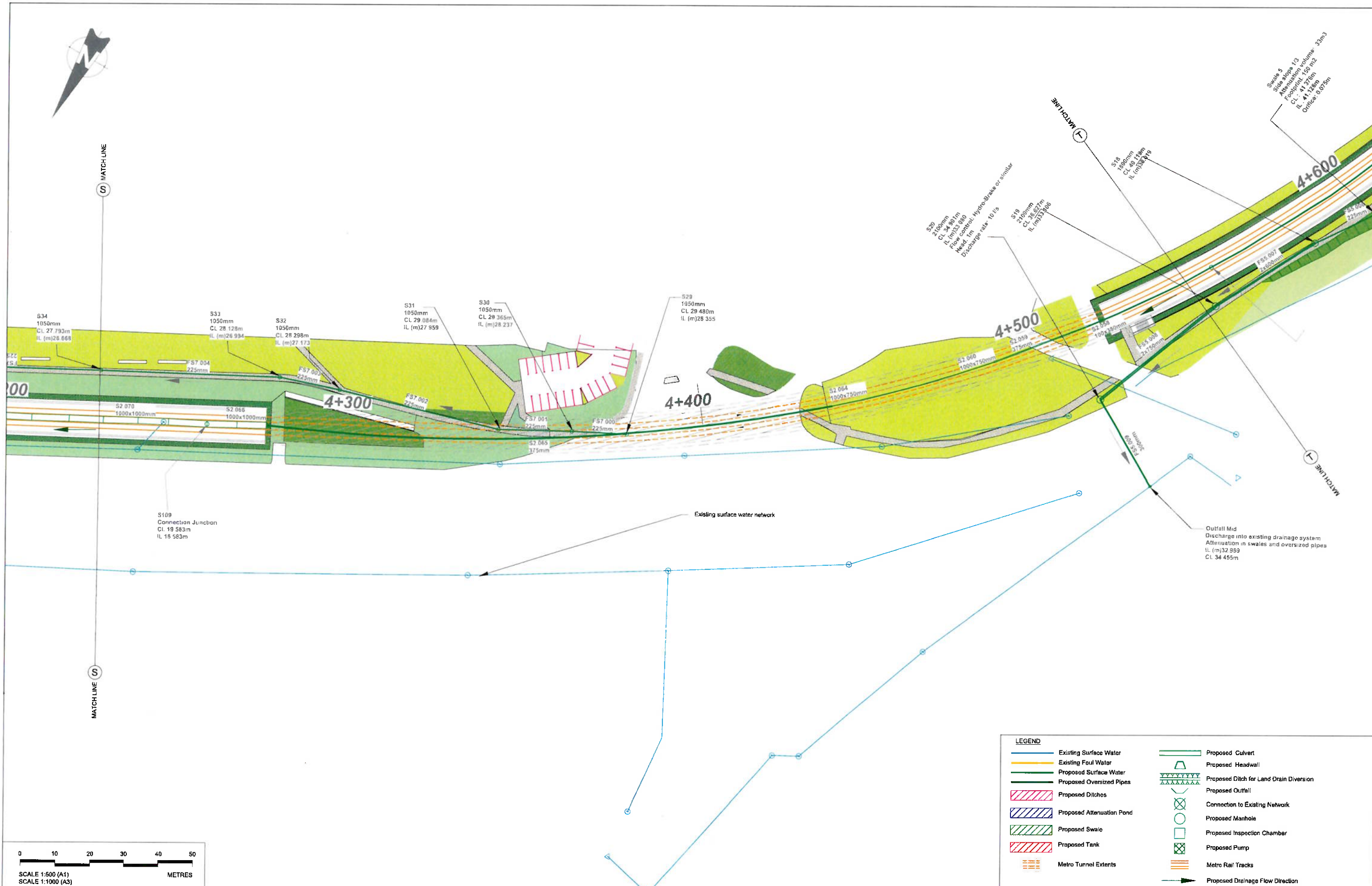








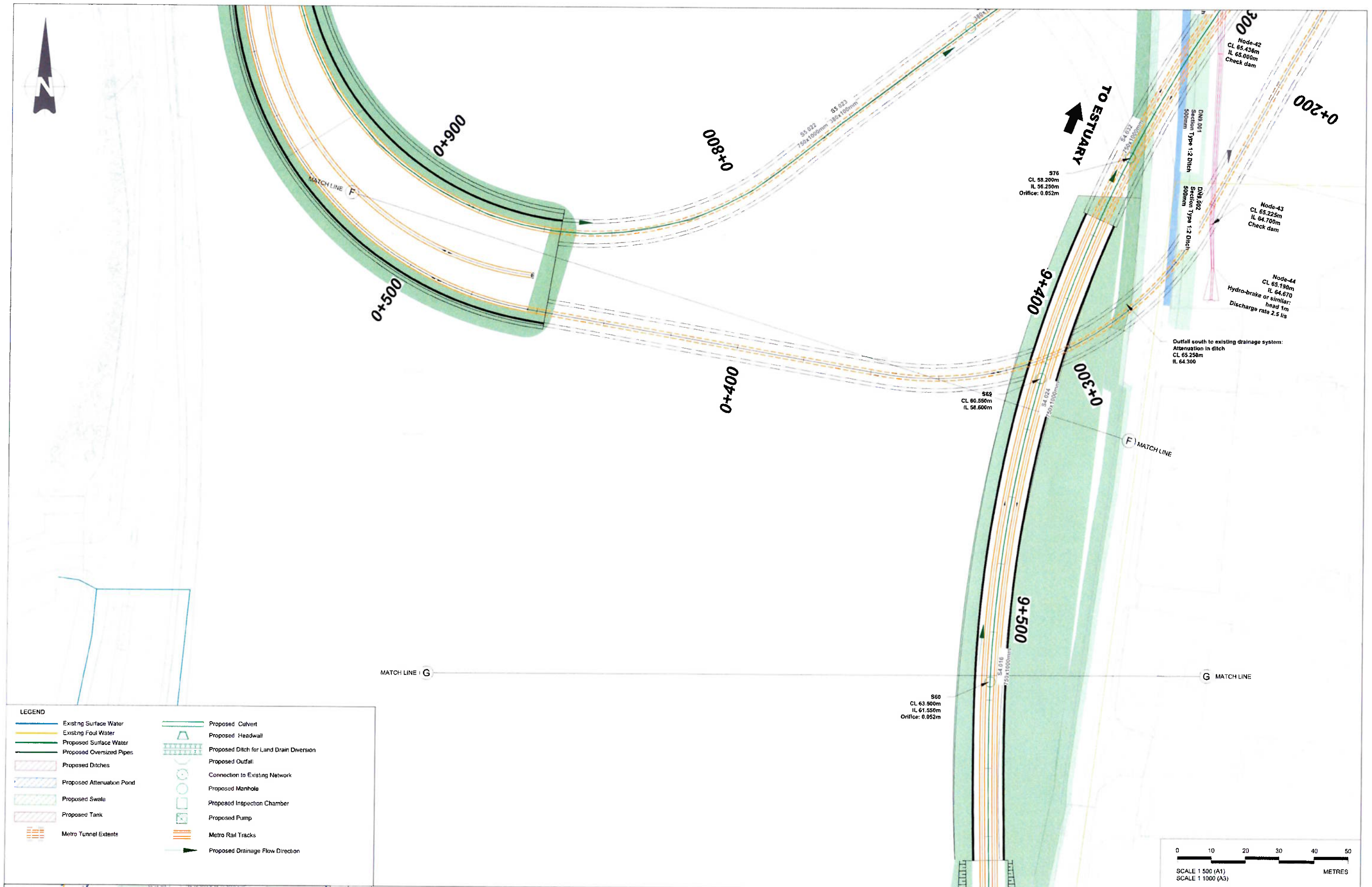




P01	14/02/22	PRELIMINARY DESIGN	BD	DS	DS	NC
P02	17/04/23	Preliminary Design	BM	DS	DS	PS
P03	23/03/24	For Railway Order	JS	DS	DS	PS
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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Client		Project	METROLINK	Drawing Title	METROLINK - PROPOSED SURFACE DRAINAGE PINNOCK HILL ROUNDABOUT	Drawing Status	S4
Consultant		Drawing N°	ML1-JAI-URD-ROUT_XX-DR-Y-02022	Plan Drawing N°	ML-UL 301 S-T		
		Scales	Original Size A1 1:500			Sheet	1 of 1





**LEGEND**

Existing Surface Water	Proposed Culvert
Existing Foul Water	Proposed Headwall
Proposed Surface Water	Proposed Ditch for Land Drain Diversion
Proposed Oversized Pipes	Proposed Outfall
Proposed Ditches	Connection to Existing Network
Proposed Attenuation Pond	Proposed Manhole
Proposed Swale	Proposed Inspection Chamber
Proposed Tank	Proposed Pump
Metro Tunnel Extents	Metro Rail Tracks
	Proposed Drainage Flow Direction



P01	14/02/22	PRELIMINARY DESIGN ISSUE	BD	DS	DS	NC
P02	17/04/23	Preliminary Design	BM	DS	DS	PS
P03	20/03/24	FOR RAILWAY ORDER	DS	DS	DS	PS
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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Client		Project	<b>METROLINK</b>	Drawing Title	METROLINK - PROPOSED SURFACE DRAINAGE BALLYMUN (SHEET 6 OF 11)		Drawing Status	S0
Consultant		Drawing N°	ML1-JAI-URD-ROUT_XX-DR-Y-02049		Plan Drawing N°	ML-UN 303 F-G		
Scales Original Size A1 1:500				Sheet 6 of 11				





**M50 VIADCUT**



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	14/02/22	PRELIMINARY DESIGN ISSUE	BD	DS	DS	NC
P02	17/04/23	Preliminary Design	BM	DS	DS	PB
P03	20/03/24	For Railway Order	JS	DS	DS	PB

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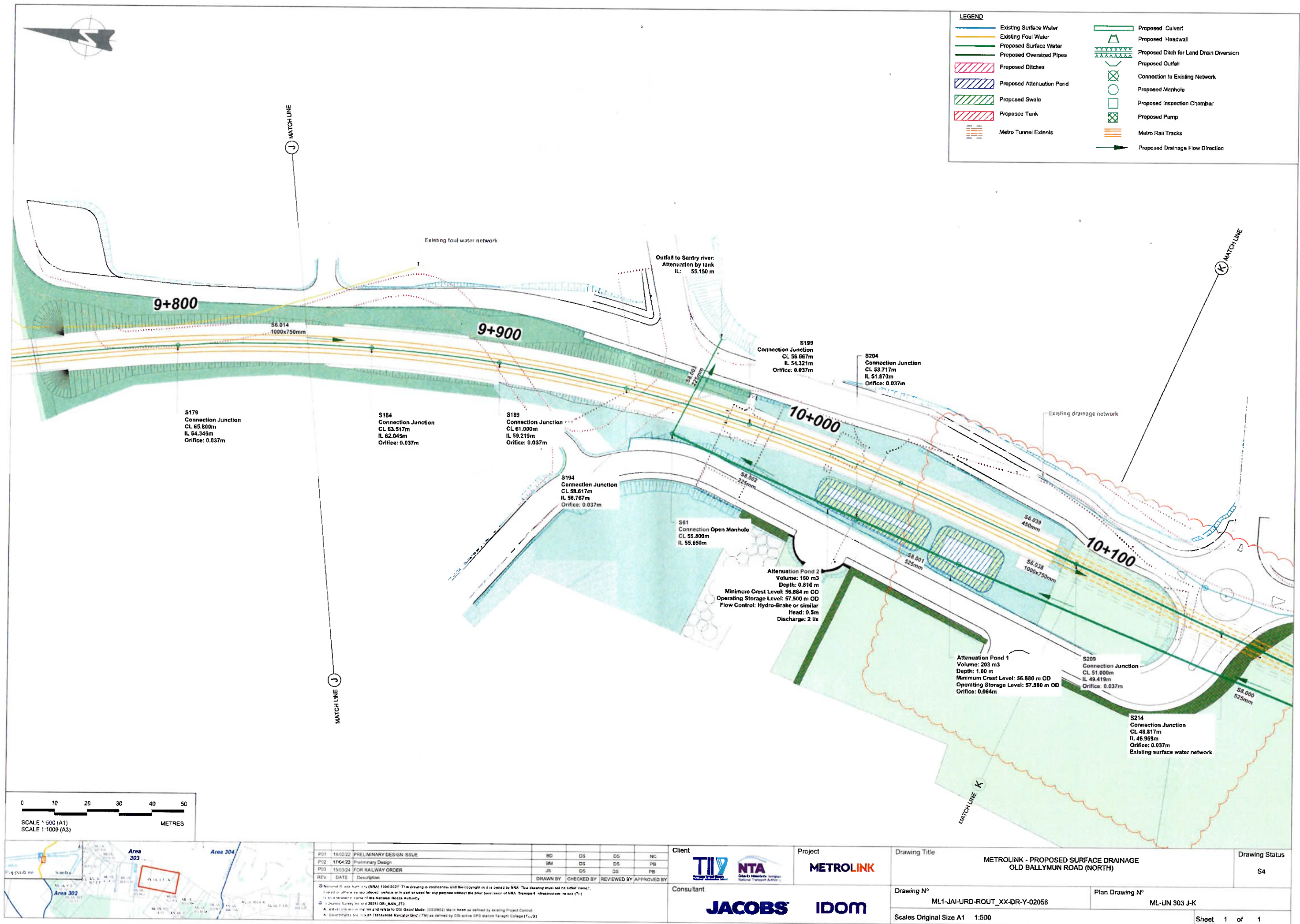
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A: Elevations are in metres and relate to OSl Geoid Model (OSGM03) Mean Sea Level as defined by existing Project Context.

A: Coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSl Geoid Model as defined by existing Project Context.

Client	TII NTA	Project	METROLINK	Drawing Title	METROLINK - PROPOSED SURFACE DRAINAGE BALLYMUN (SHEET 7 OF 11)	Drawing Status	S0
Consultant	JACOBS IDOM	Drawing No	ML1-JAI-URD-ROUT_XX-DR-Y-02050	Plan Drawing No	ML-UN 303 G-H		
Scales Original Size A1 1:500				Sheet 7 of 11			





REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	14/02/22	PRELIMINARY DESIGN ISSUE	BD	DS	DS	NC
P02	17/04/23	Preliminary Design	BM	DS	DS	PB
P03	15/03/24	FOR RAILWAY ORDER	JS	DS	DS	PB

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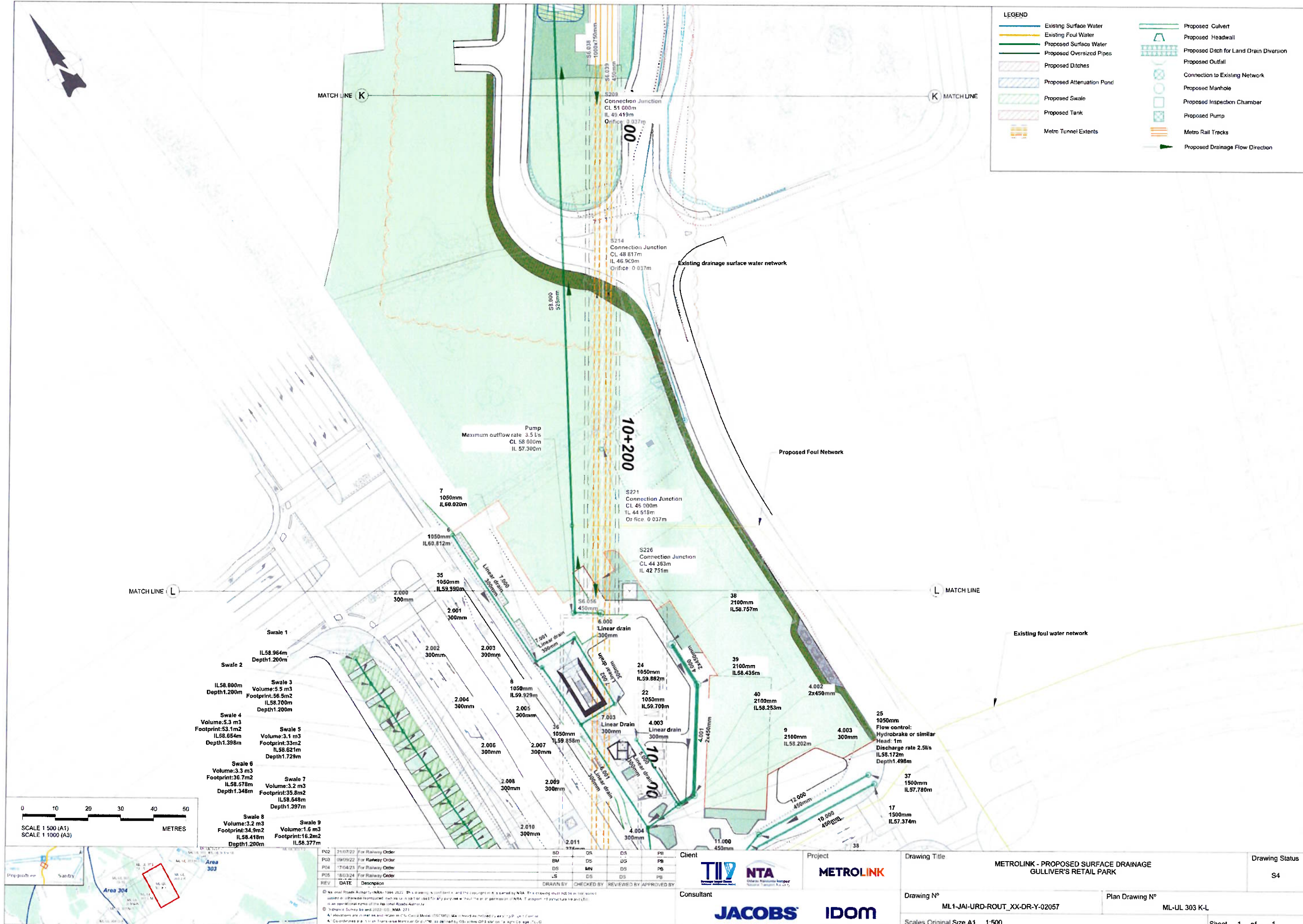
© Jacobs Survey Inc. or 2021/1 OSI, NMA, 273

A. Elevation are in metres and relate to OSI (Good Mode) (OSGM02) Mean Head as defined by existing Project Control.

B. Coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLG01).

Client	Project	Drawing Title	Drawing Status
TII NTA Odero Willebrand National Transport Authority	METROLINK	METROLINK - PROPOSED SURFACE DRAINAGE OLD BALLYMUN ROAD (NORTH)	S4
Consultant	Drawing No	Plan Drawing No	
JACOBS IDOM	ML1-JAI-URD-ROUT_XX-DR-Y-02056	ML-UN 303 J-K	
	Scales Original Size A1 1:500		Sheet 1 of 1





**LEGEND**

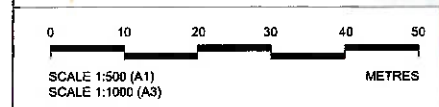
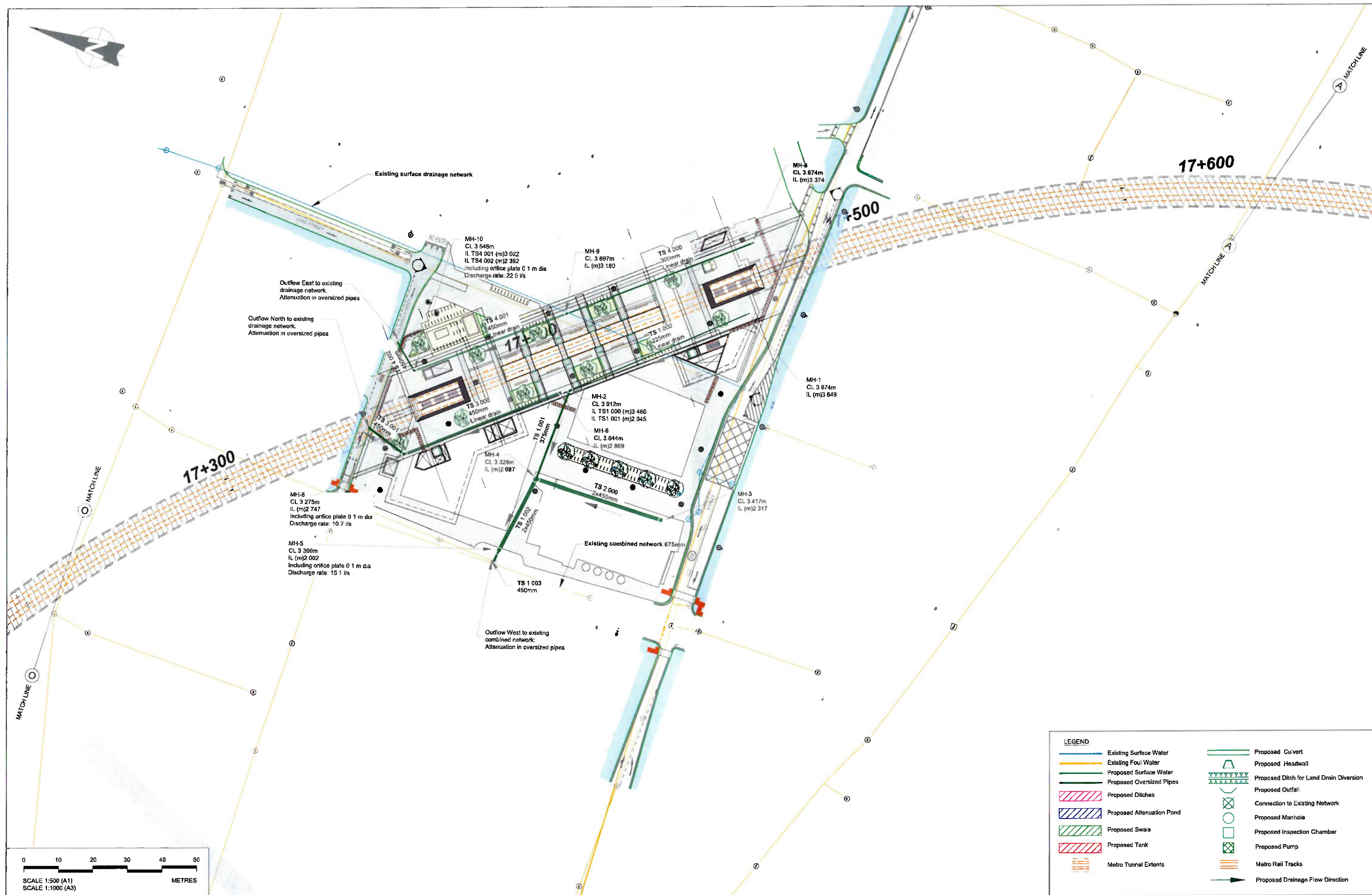
Existing Surface Water	Proposed Culvert
Existing Foul Water	Proposed Headwall
Proposed Surface Water	Proposed Ditch for Land Drain Diversion
Proposed Oversized Pipes	Proposed Outfall
Proposed Ditches	Connection to Existing Network
Proposed Attenuation Pond	Proposed Manhole
Proposed Swale	Proposed Inspection Chamber
Proposed Tank	Proposed Pump
Metro Tunnel Extents	Metro Rail Tracks
	Proposed Drainage Flow Direction



- Swale 1**  
IL58.964m  
Depth1.200m
- Swale 2**  
IL58.800m  
Depth1.200m
- Swale 3**  
Volume:5.5 m3  
Footprint:56.5m2  
IL58.700m  
Depth1.200m
- Swale 4**  
Volume:5.3 m3  
Footprint:53.1m2  
IL58.654m  
Depth1.398m
- Swale 5**  
Volume:3.1 m3  
Footprint:33m2  
IL58.621m  
Depth1.729m
- Swale 6**  
Volume:3.3 m3  
Footprint:36.7m2  
IL58.578m  
Depth1.348m
- Swale 7**  
Volume:3.2 m3  
Footprint:35.8m2  
IL58.548m  
Depth1.397m
- Swale 8**  
Volume:3.2 m3  
Footprint:34.9m2  
IL58.418m  
Depth1.200m
- Swale 9**  
Volume:1.6 m3  
Footprint:16.2m2  
IL58.377m

D02	21/07/22	For Railway Order	BD	DS	DS	PB	Client	Project	Drawing Title	Drawing Status
P03	09/09/22	For Railway Order	BM	DS	DS	PB			METROLINK - PROPOSED SURFACE DRAINAGE	
P04	17/04/23	For Railway Order	DS	DS	DS	PB			GULLIVER'S RETAIL PARK	S4
P05	18/03/24	For Railway Order	DS	DS	DS	PB				
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY				
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A: Elevations are in metres above sea level (ASL) unless otherwise indicated. All elevations are to the top of the structure unless otherwise indicated. All elevations are to the top of the structure unless otherwise indicated. All elevations are to the top of the structure unless otherwise indicated.							Project			
B: Coordinates are in the Transverse Mercator Grid (TM) as defined by the Australian Geodetic Datum (AGD) 1984. All coordinates are in the Transverse Mercator Grid (TM) as defined by the Australian Geodetic Datum (AGD) 1984.							Drawing N°			
							ML1-JAI-URD-ROUT_XX-DR-Y-02057			
							Plan Drawing N°			
							ML-UL 303 K-L			
							Scales Original Size A1 1:500			
							Sheet 1 of 1			

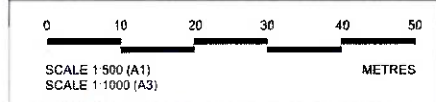
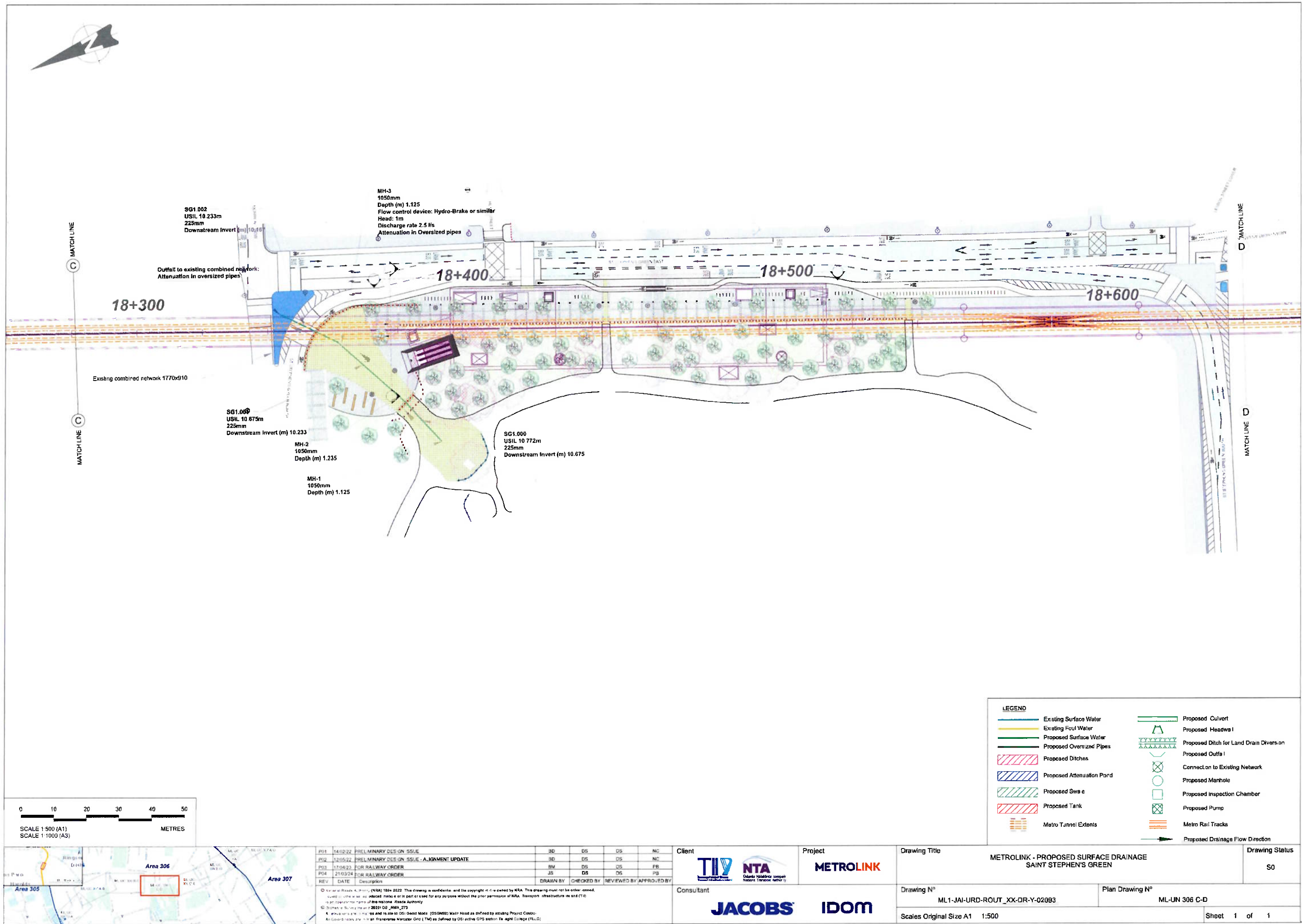




P01	14/02/22	PRELIMINARY DESIGN ISSUE	BD	DS	DS	NC
P02	12/05/22	Preliminary Design	BD	DS	DS	NC
P03	17/04/23	Preliminary Design	BM	DS	DS	PB
P04	23/03/24	For Railway Order	JS	DS	DS	PB
REV	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
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A. elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.						
A. Coordinates are in Irish Transverse Mercator Grid (TM) as defined by OSi active GPS station Taspit Celeg (TL-0).						

Client	TII NTA	Project	METROLINK	Drawing Title	METROLINK - PROPOSED SURFACE DRAINAGE BURGH QUAY TO PEARSE STREET	Drawing Status	S4
Consultant	JACOBS IDOM	Drawing N°	ML1-JAI-URD-ROUT_XX-DR-Y-02090	Plan Drawing N°	ML-UN 306 O-A	Sheet 1 of 1	
				Scales	Original Size A1 1:500		



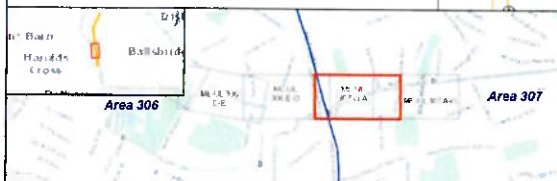
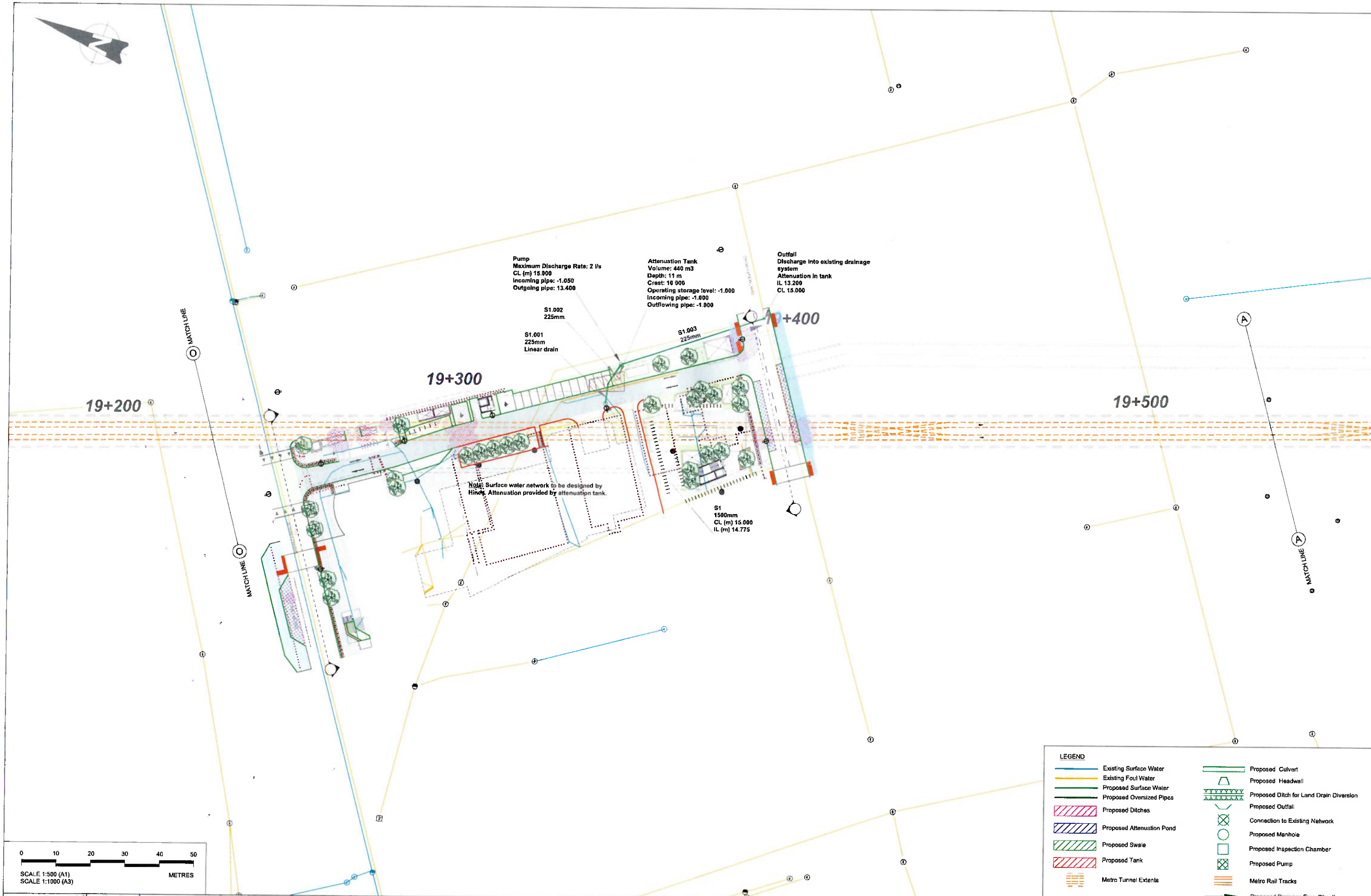


REV	DATE	DESCRIPTION	BY	CHKD	APPD	DATE
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P02	12/05/22	PRELIMINARY DESIGN ISSUE - ALIGNMENT UPDATE	SD	DS	DS	NC
P03	17/04/23	FOR RAILWAY ORDER	BM	DS	DS	PB
P04	21/03/24	FOR RAILWAY ORDER	JS	DS	DS	PB
DRAWN BY			CHECKED BY	REVIEWED BY	APPROVED BY	

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Client		Project	<b>METROLINK</b>	Drawing Title	METROLINK - PROPOSED SURFACE DRAINAGE SAINT STEPHEN'S GREEN		Drawing Status	S0
Consultant				Drawing N°	ML1-JAI-URD-ROUT_XX-DR-Y-02093	Plan Drawing N°	ML-UN 306 C-D	
				Scales	Original Size A1 1:500	Sheet 1 of 1		





REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY
P01	21/07/22	Preliminary Design	BD	DS	DS	PB
P02	17/04/23	For Railway Order	BM	DS	DS	PB
P03	22/03/24	For Railway Order	JS	DS	DS	PB

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A. A revision was made to the Design Model (DSMD) in the Head as defined by the Project Control.

A. Coordinates are in Irish Transverse Mercator (ITM) as defined by the Irish Ordnance Survey (OS) datum (ITM-03).

Client  
**TII** **NTA**  
Transport Infrastructure Ireland  
National Transport Authority

Project  
**METROLINK**

Drawing Title  
METROLINK - PROPOSED SURFACE DRAINAGE  
GRAND PARADE TO NORTHBROOK ROAD

Drawing N°  
ML1-JAI-URD-ROUT\_XX-DR-Y-02096

Plan Drawing N°  
ML-UL 307 O-A

Drawing Status  
S4

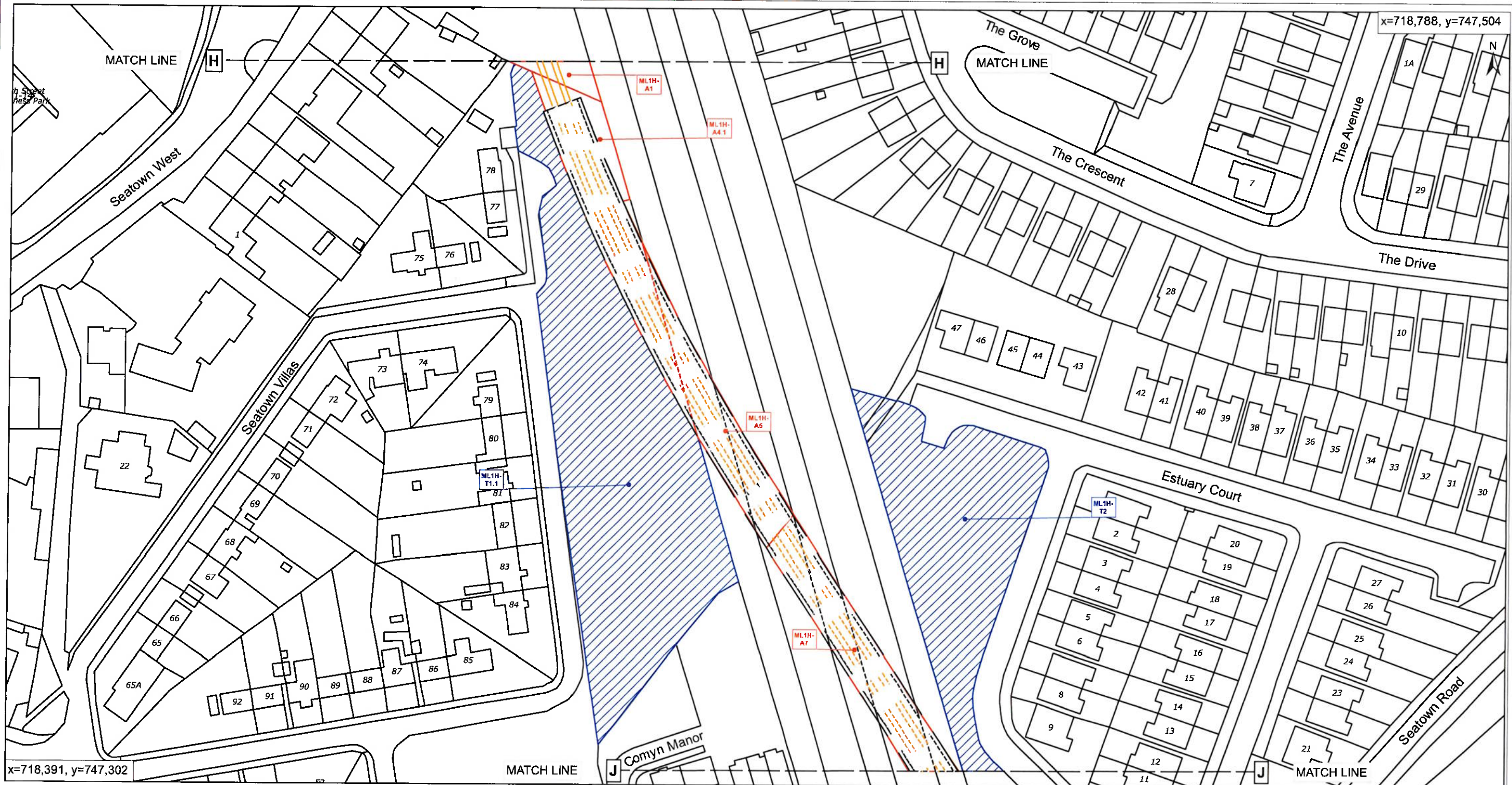
Sheet 1 of 1

Consultant  
**JACOBS** **IDOM**

Scales Original Size A1 1:500

LEGEND	
Existing Surface Water	Proposed Culvert
Existing Foul Water	Proposed Headwall
Proposed Surface Water	Proposed Ditch for Land Drain Diversion
Proposed Oversized Pipes	Proposed Outfall
Proposed Ditches	Connection to Existing Network
Proposed Attenuation Pond	Proposed Manhole
Proposed Swale	Proposed Inspection Chamber
Proposed Tank	Proposed Pump
Metro Tunnel Extents	Metro Rail Tracks
	Proposed Drainage Flow Direction





LOCATION PLAN  
Map Scale: 1:1000 @ A3

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**DRAWING LEGEND**

- LAND TAKE REFERENCE NUMBER: EXTENT OF PROPOSED ACQUISITION OF LAND
- LAND TAKE REFERENCE NUMBER: EXTENT OF PROPOSED ACQUISITION OF SUBSTANTIUM LAND
- LAND TAKE REFERENCE NUMBER: EXTENT OF WAY LEAVE / RIGHT OF WAY TO BE ACQUIRED / EXTINGUISHED
- TEMPORARY SITE REFERENCE NUMBER: EXTENT OF PROPOSED TEMPORARY SITE
- POSITION OF METRO RAIL TRACKS
- POSITION OF METRO RAIL TRACKS (UNDERGROUND)
- EXTENT OF METRO TUNNEL
- EXISTING LIGHTWELL: MAY BE AFFECTED OR ACQUIRED
- EXISTING BUILDING FACADE
- EDGE OF EXISTING PAVEMENT
- EXISTING BASEMENT BENEATH: MAY BE AFFECTED OR ACQUIRED (EXACT EXTENT OF BASEMENTS TO BE CLARIFIED)

SEATOWN WEST

Area 301

ML-P 301 F-G

ML-P 301 G-H

ML-P 301 H-J

ML-P 301 J-K

ML-P 301 K-L

ML-P 301 6-7

TOWNPARKS

M1

REVISION	DATE	MODIFICATION	STATUS	STATE
1	2023/02/24		Draft	Prepared

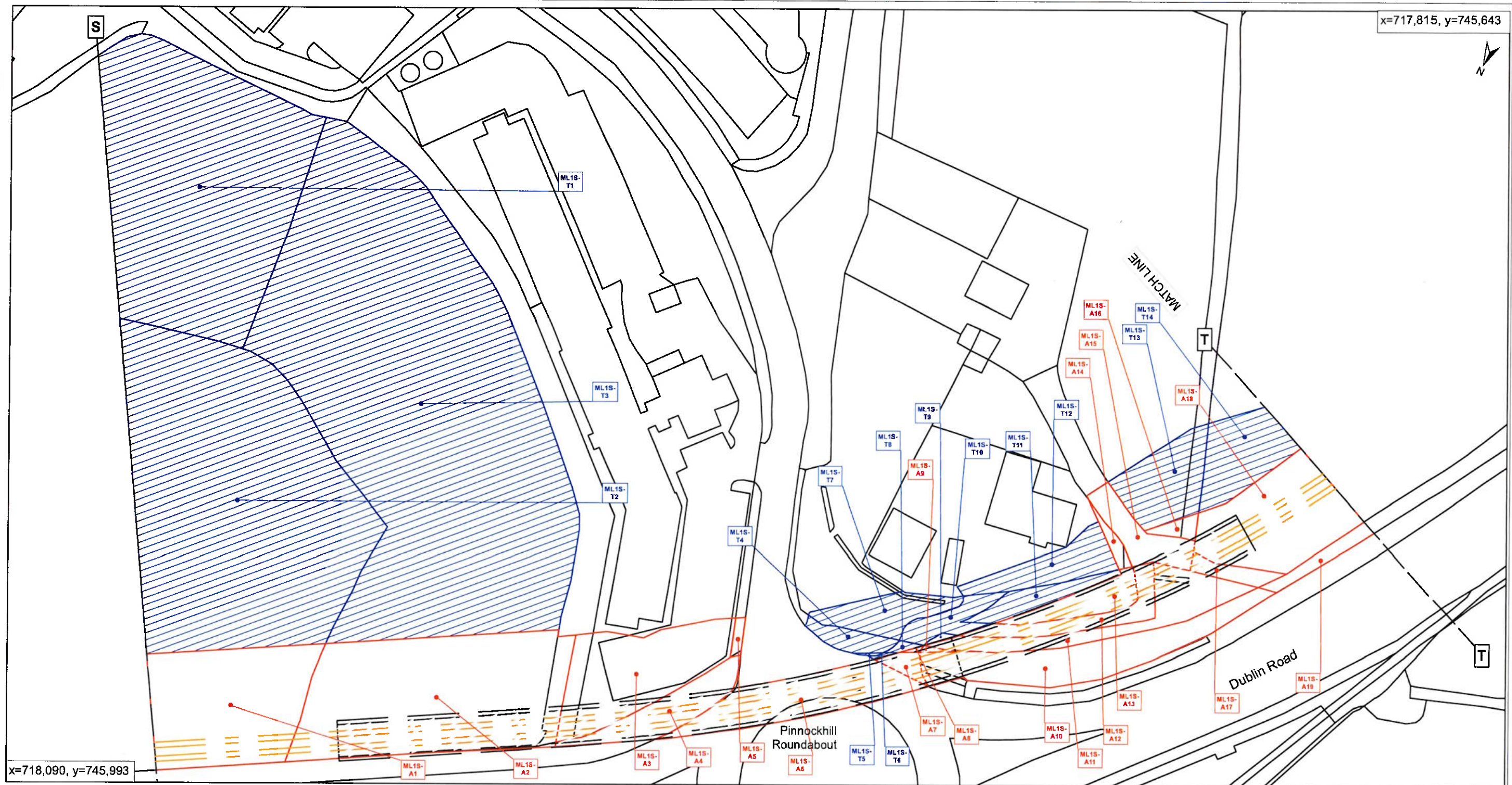
**TII** **METROLINK** **JACOBS IDOM**

TITLE: RAILWAY WORKS  
METROLINK - PROPERTY DETAILS  
SEATOWN (SHEET 1 OF 3)

ML1-JA-BOR-ROUT\_XX-DR-Y-01012

DRAWING NUMBER	CHECKED BY	APPROVED BY
301	ML-P 301 H-J	PROPERTY





LOCATION PLAN  
Map Scale: 1:1000 @ A3

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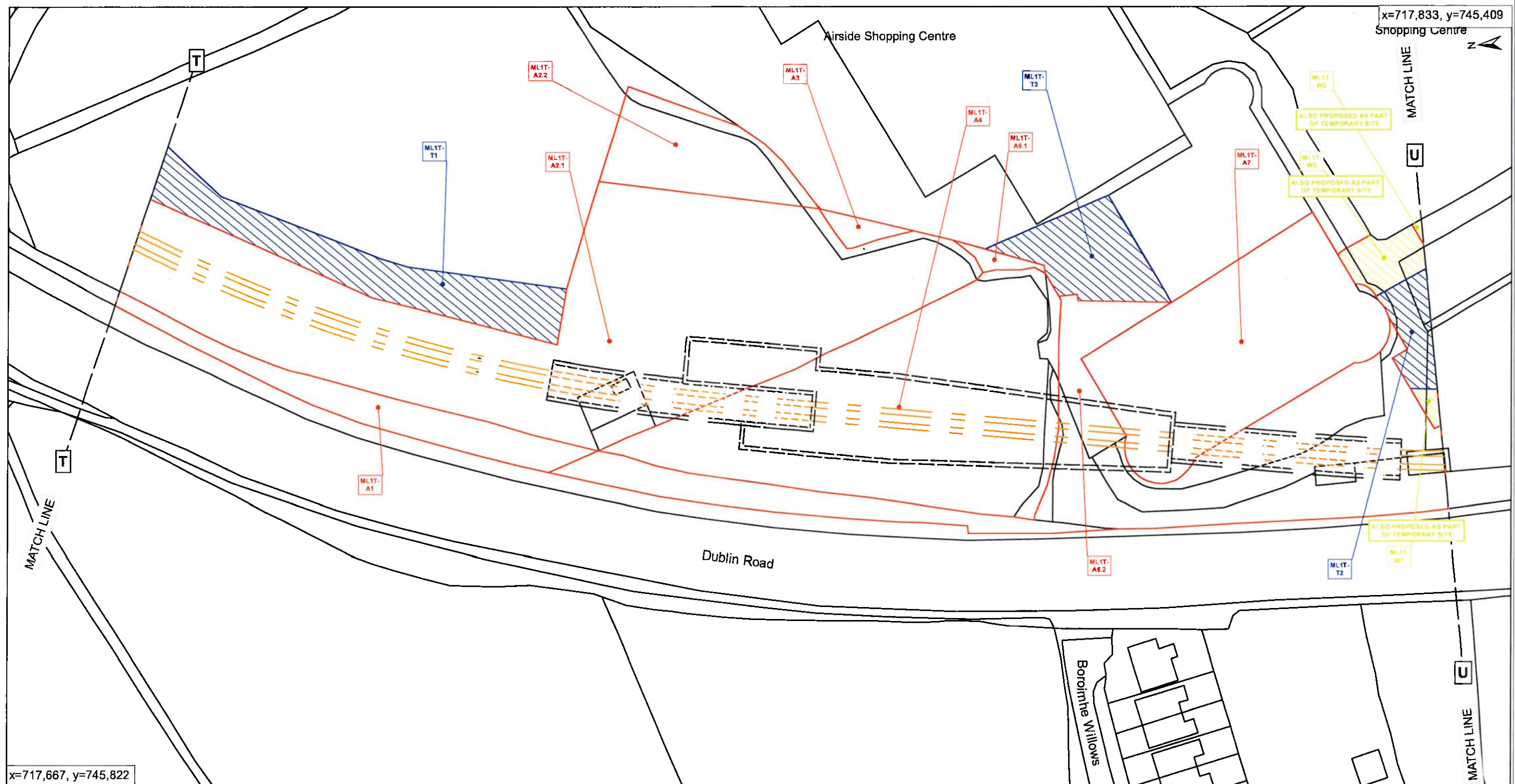
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DRAWING LEGEND	
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	EXTENT OF PROPOSED ACQUISITION OF SUBSTRATUM LAND
	EXTENT OF WAYLEAVE / RIGHT OF WAY TO BE ACQUIRED / EXTINGUISHED
	EXTENT OF PROPOSED TEMPORARY SITE
	POSITION OF METRO RAIL TRACKS
	POSITION OF METRO RAIL TRACKS (UNDERGROUND)
	EXTENT OF METRO TUNNEL
	EXISTING BASEMENT REFERENCE NUMBER
	EXISTING LIGHTWELL (MAY BE AFFECTED OR ACQUIRED)
	EXISTING BUILDING FACADE
	EDGE OF EXISTING PAVEMENT
	EXISTING BASEMENT BENEATH (MAY BE AFFECTED OR ACQUIRED)
	EXACT EXTENT OF BASEMENTS TO BE CLARIFIED

REVISION	DATE	MODIFICATION	STATUS	STATE
P04	21/03/2024		Draft	Proposed

TITLE		
RAILWAY WORKS METROLINK - PROPERTY DETAILS PINNOCK HILL ROUNDABOUT		
DRAWING NUMBER ML1-JAI-BOR-ROUT_XX-DR-Y-01022		
DRAWN: TW	CHECKED: MM	APPROVED: PB
SCALE: 1:1000 @ A3	REVIEWED: AS	
AREA NUMBER 301	PLAN NUMBER ML-P 301 S-T	SUBJECT PROPERTY





LOCATION PLAN  
Map Scale: 1:1000 @ A3

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**DRAWING LEGEND**

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	EDGE OF EXISTING PAVEMENT
EXISTING BASEMENT BENEATH MAY BE AFFECTED OR ACQUIRED (EXACT EXTENT OF BASEMENTS TO BE CLARIFIED)	

Swinds  
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Area 301

ML-P 301 T-U  
ML-P 301 U-V  
ML-P 301 V-W  
ML-P 301 W-X  
ML-P 301 X-Y  
ML-P 301 Y-O  
Area 302  
ML-P 302 T-U  
ML-P 302 U-V  
ML-P 302 V-W  
ML-P 302 W-X  
ML-P 302 X-Y  
ML-P 302 Y-O

REVISION	DATE	MODIFICATION	STATUS	STATE
001	14/03/2024		Draft	Issued

**TII** **METROLINK** **JACOBS IDOM**

Railway Works  
METROLINK - PROPERTY DETAILS  
AIRSIDE SHOPPING CENTRE (SHEET 1 OF 2)

ML1-JA1-BOR-ROUT\_XX-DR-Y-01023

DRAWING NUMBER	CHECKED: MM	APPROVED: PB
DRAWN: TW	REVIEWED: AS	
SCALE: 1:1000 @ A3	PLAN NUMBER:	SUBJECT:
AREA NUMBER: 301	ML-P 301 T-U	PROPERTY



