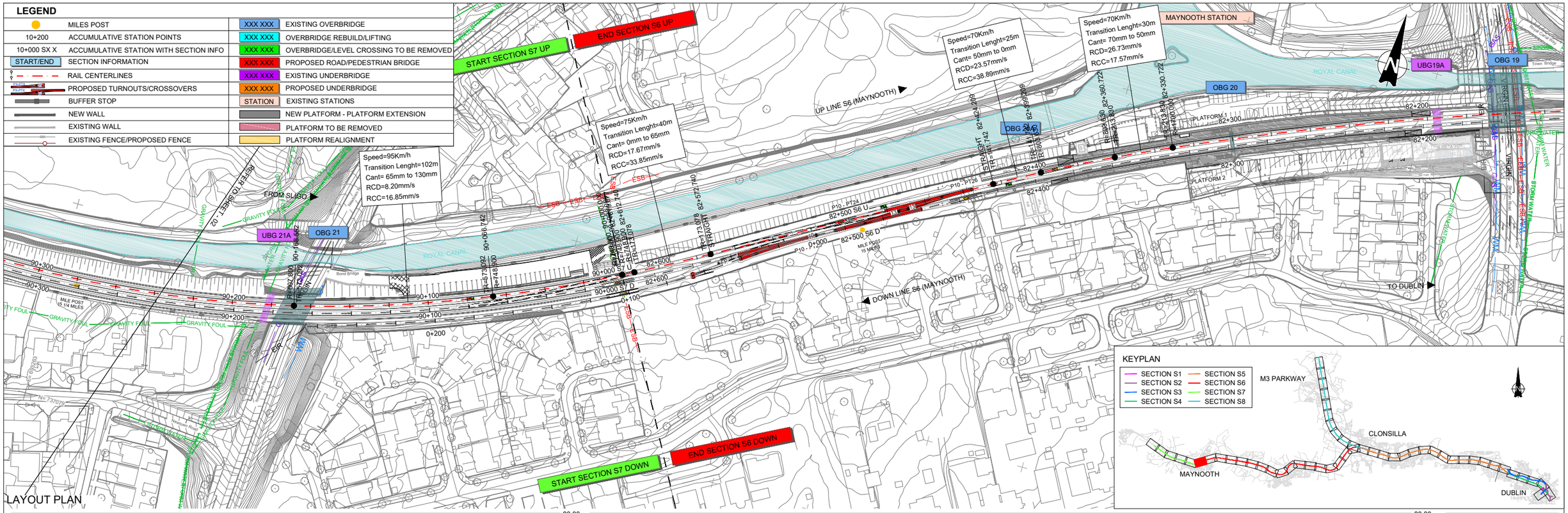
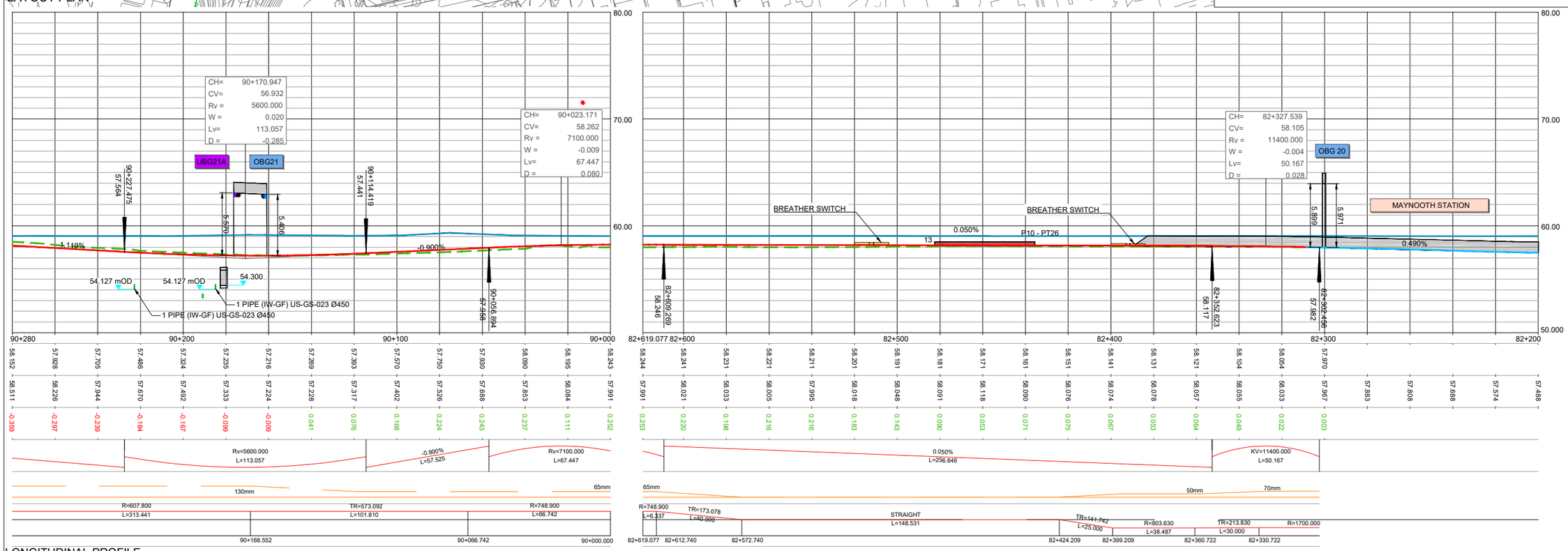
LEGEND

	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT



LAYOUT PLAN



LONGITUDINAL PROFILE

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSi Aerial Data or OSi Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Taillaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | G3 | ROD Roughan & O'Donovan

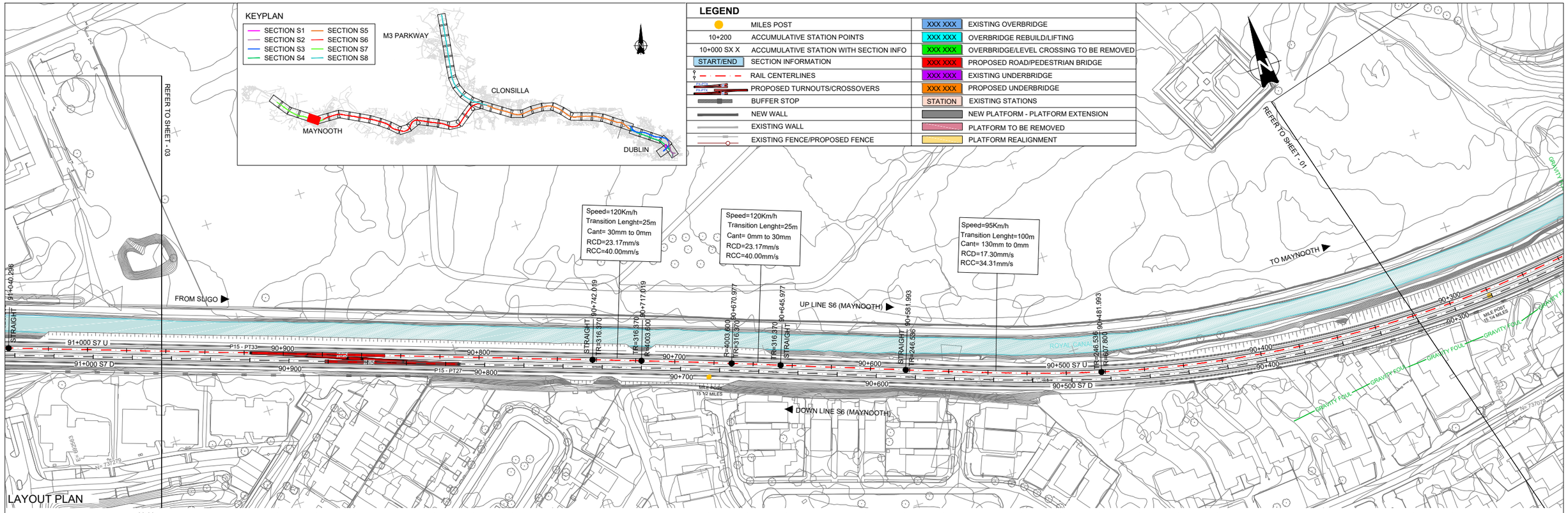
Project: DART+ West

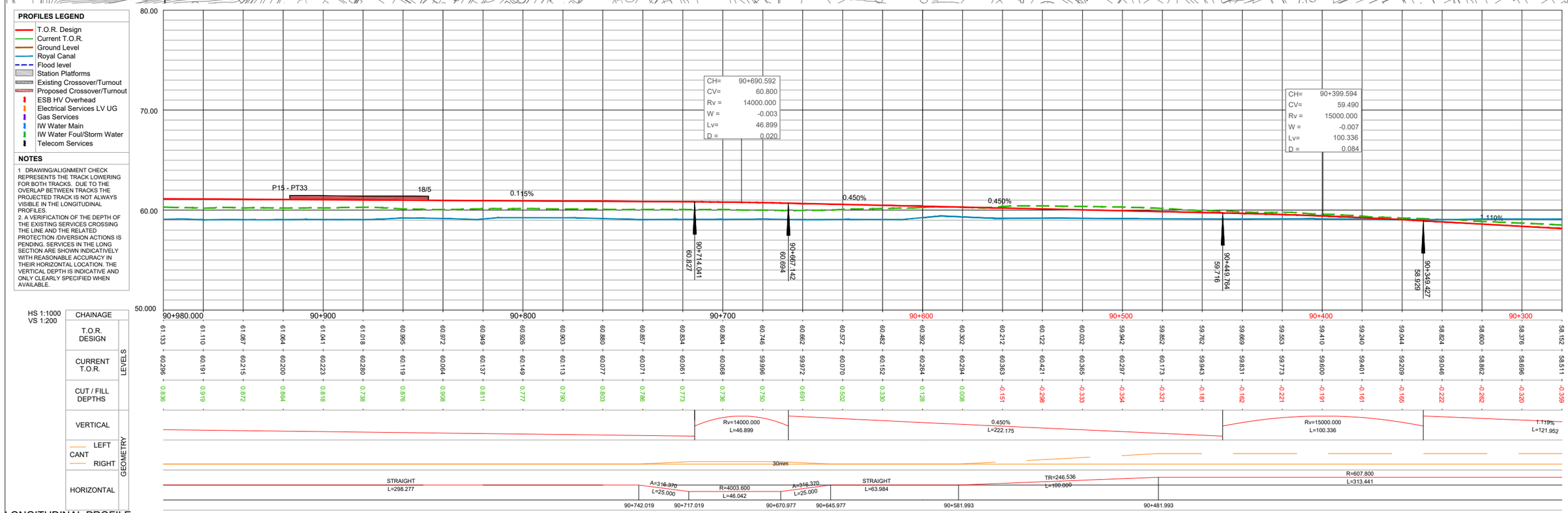
Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP
SECTION S6-S7 UPLINE

Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0003 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 01 of 05





REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght CoBege (TLLG).

Client

Consultant

Project

DART+ West

Drawing Title

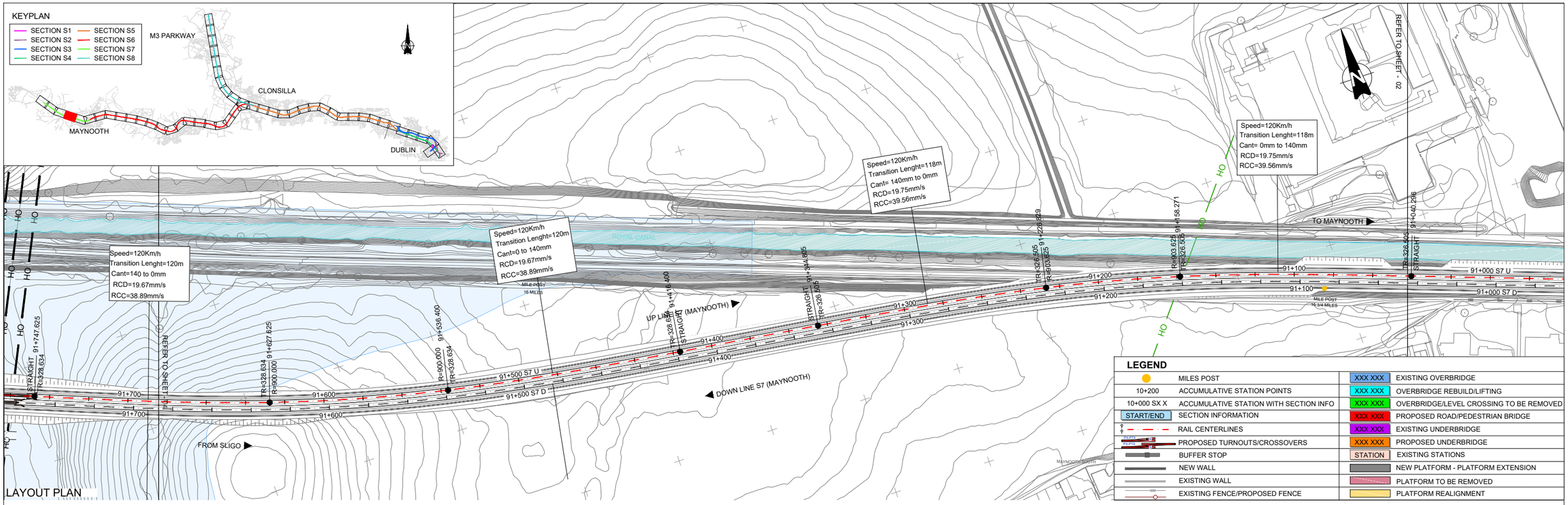
PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP
SECTION S7 UPLINE

Scale: 1:1000 @ A1 1:2000 @ A3

0 5 12.5 25 50

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0003	D

Date:	Job No:	Status:	Rev:	Sheet: 02 of 05
April 2022	P/101086	F1-Approved & accepted	V01	



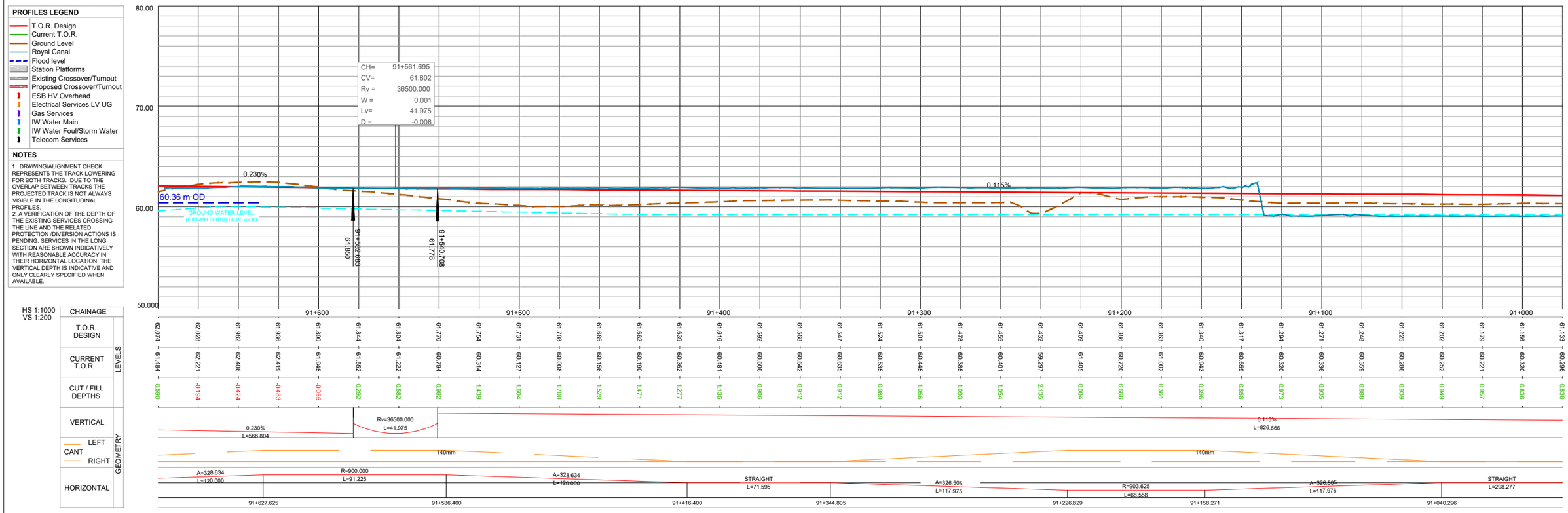
LAYOUT PLAN

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2 A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSI Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client

Consultant

Project

DART+ West

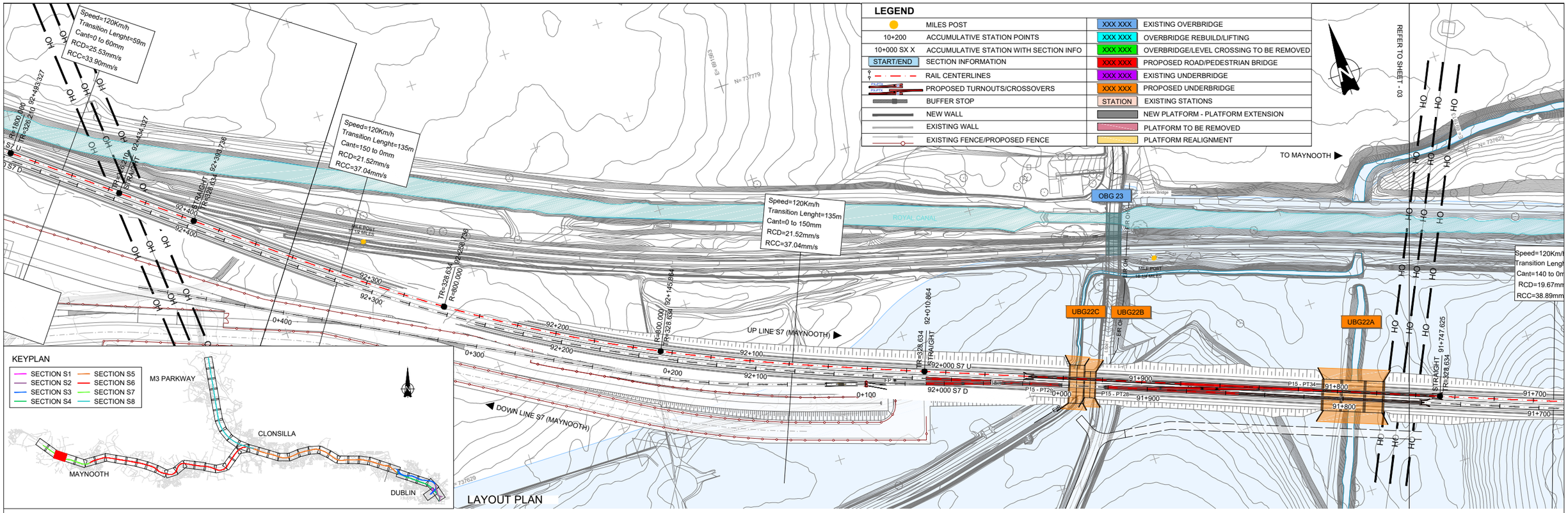
Drawing Title

PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP
SECTION S7 UPLINE

Scale:
1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0003	D

Date:	Job No:	Status:	Rev:	
April 2022	P/101086	F1-Approved & accepted	V01	Sheet: 03 of 05

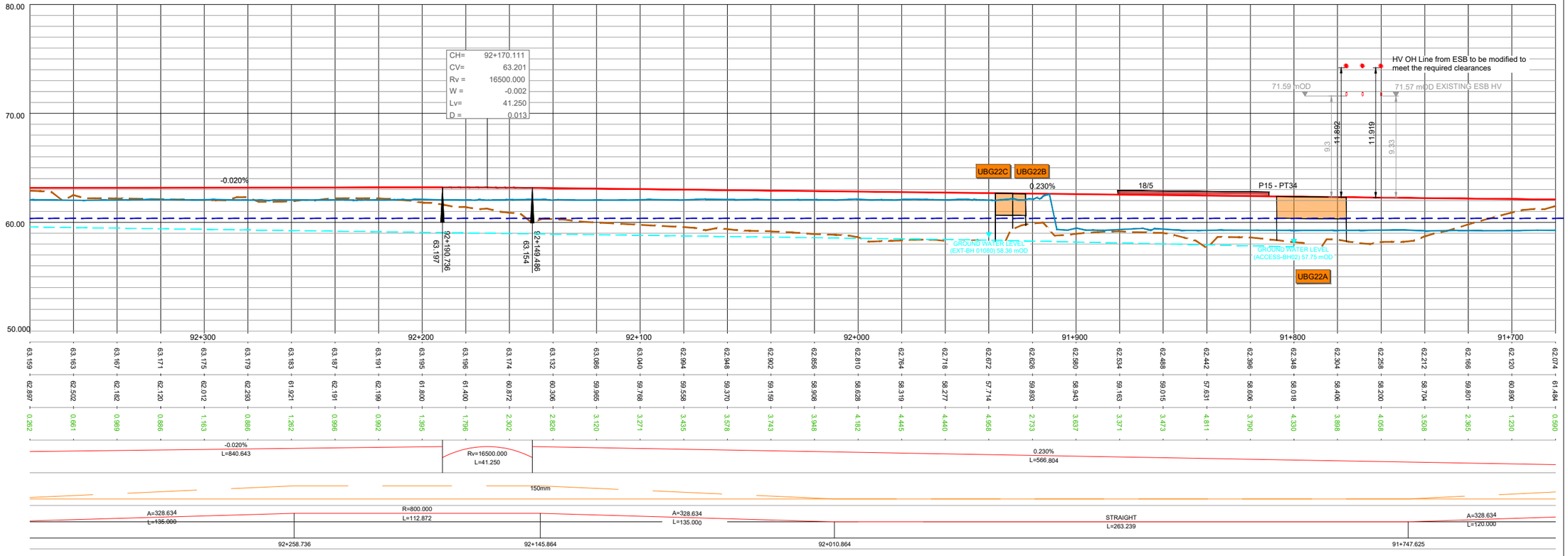


PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1. DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght CoHege (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | CS3 | ROD Roughan & O'Donovan

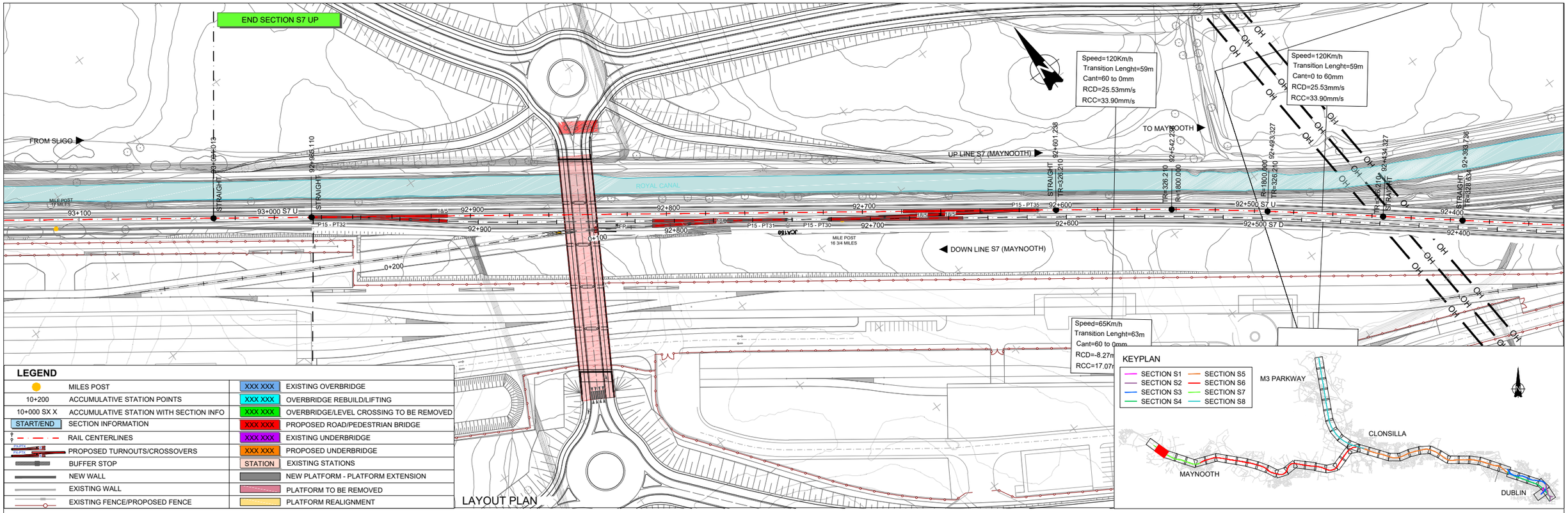
Project: DART+ West

Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP
SECTION S7 UPLINE

Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0003 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 04 of 05

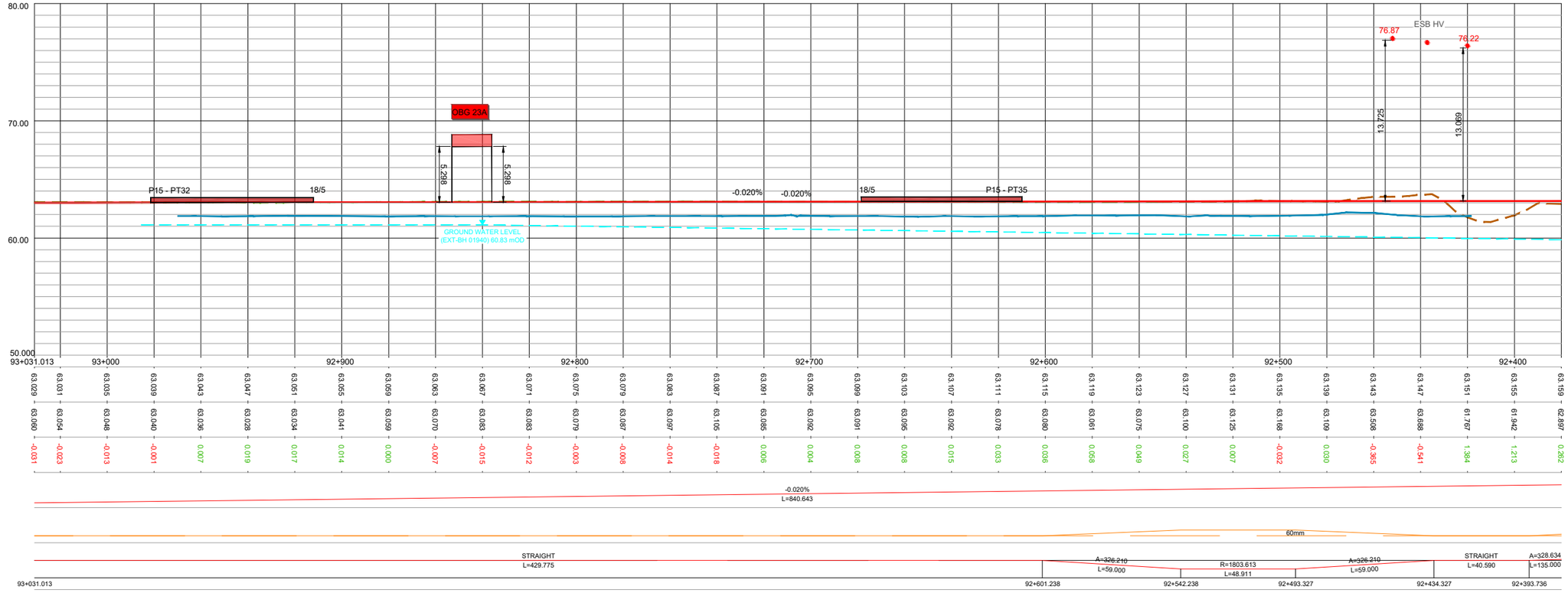


PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSi Aerial Data or OSi Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght CoIlege (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | CS | ROD Roughan & O'Donovan

Project: DART+ West

Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP
SECTION S7 UPLINE

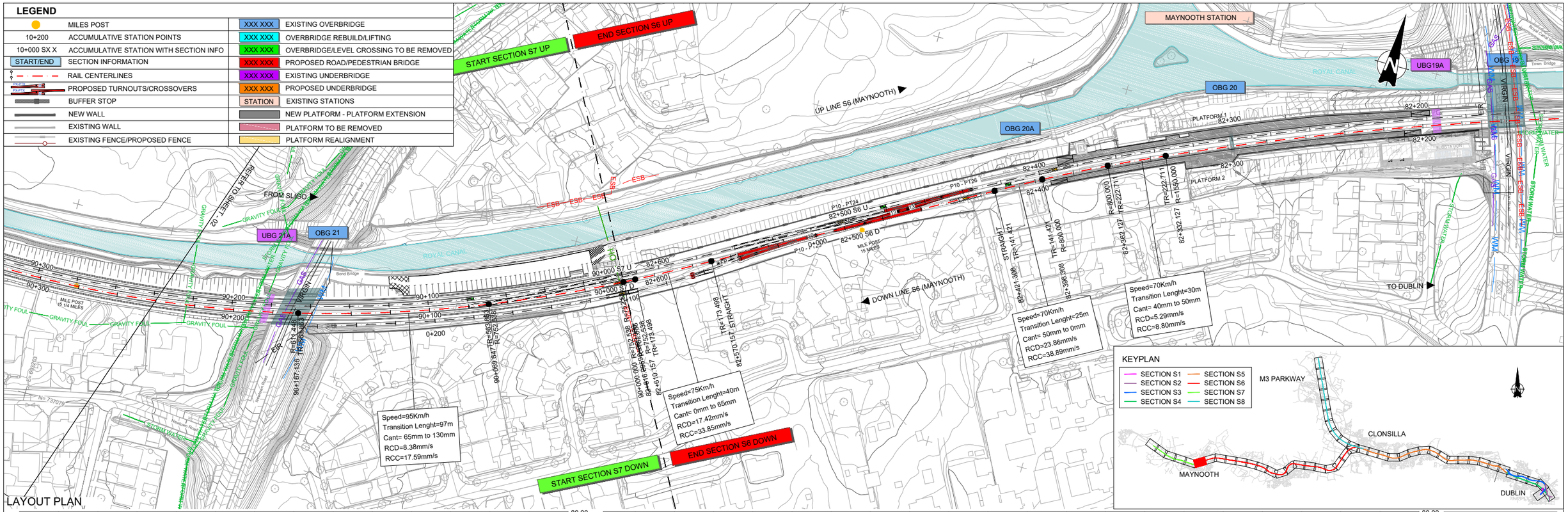
Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0003	D

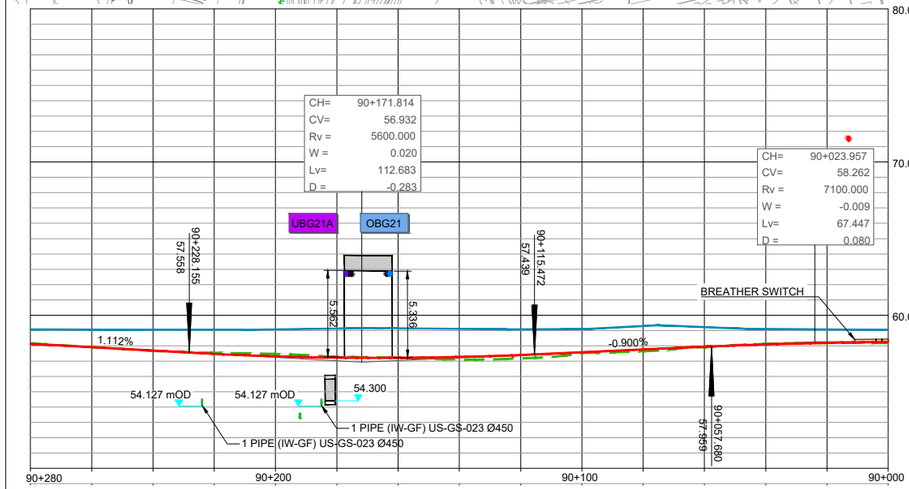
Date:	Job No:	Status:	Rev:	Sheet: 05 of 05
April 2022	P/101086	F1-Approved & accepted	V01	

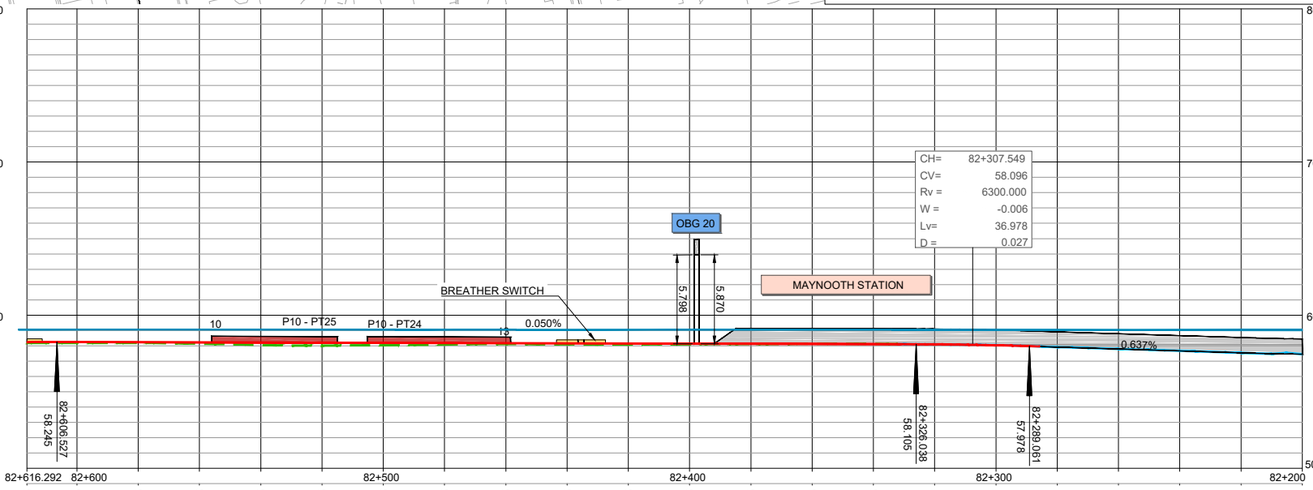
LEGEND

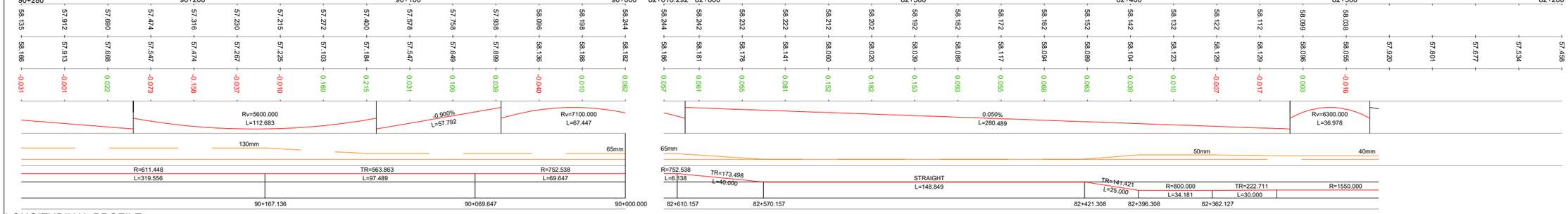
	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT



LAYOUT PLAN







LONGITUDINAL PROFILE

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1. DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

HS 1:1000
VS 1:200

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | CS3 | ROD Roughan & O'Donovan

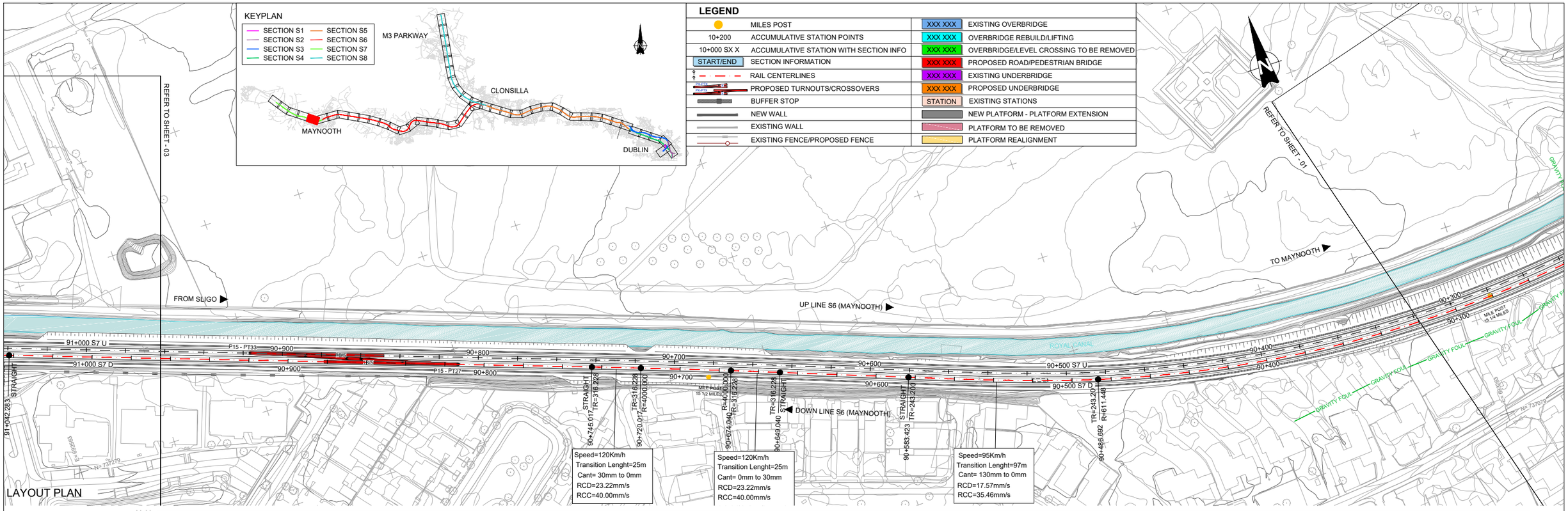
Project: DART+ West

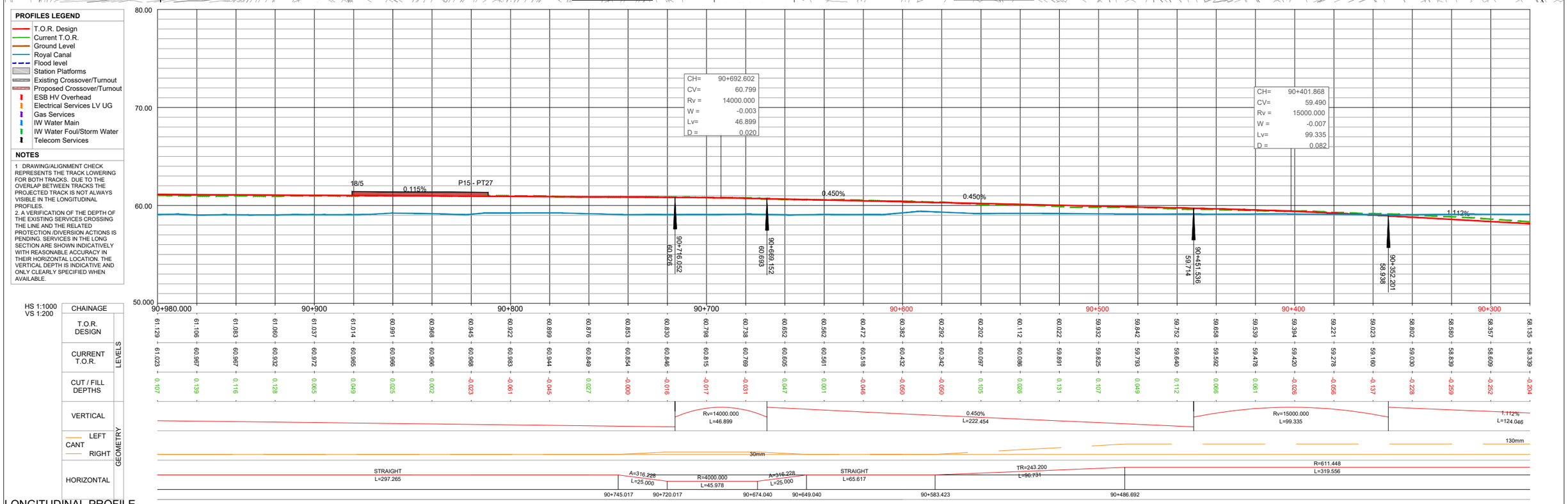
Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN
SECTION S6-S7 DOWNLINE

Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0004 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 01 of 06





REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSi Aerial Data or OSi Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Taillaght College (TLLG).

Client

Consultant

Project

Drawing Title

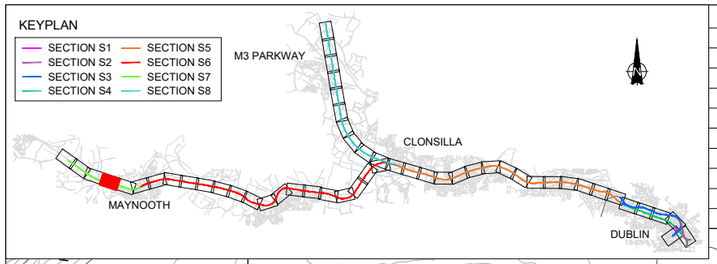
PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN
SECTION S7 DOWNLINE

Scale: 1:1000 @ A1 1:2000 @ A3

0 5 12.5 25 50

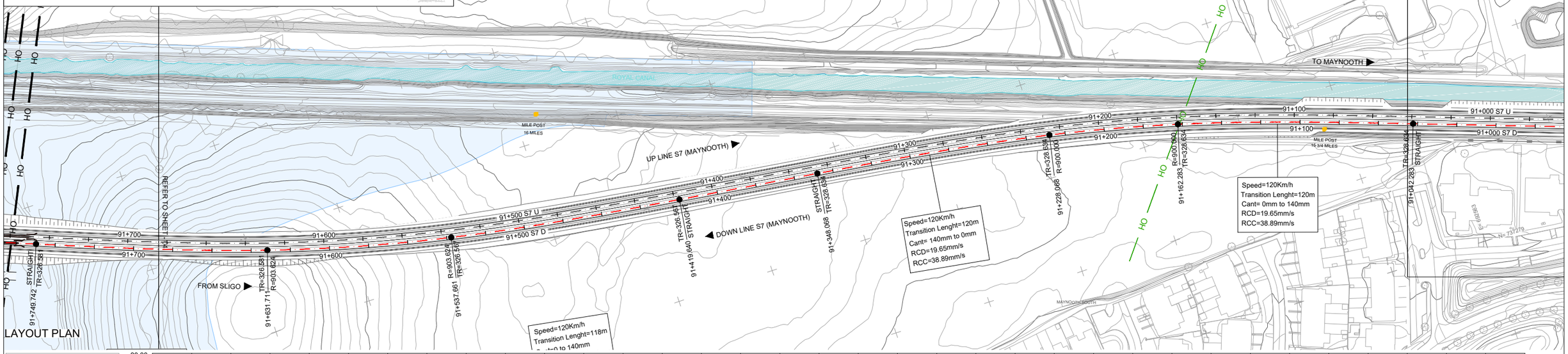
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0004	D

Date:	Job No:	Status:	Rev:	Sheet: 02 of 06
April 2022	P/101086	F1-Approved & accepted	V01	



LEGEND

	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT



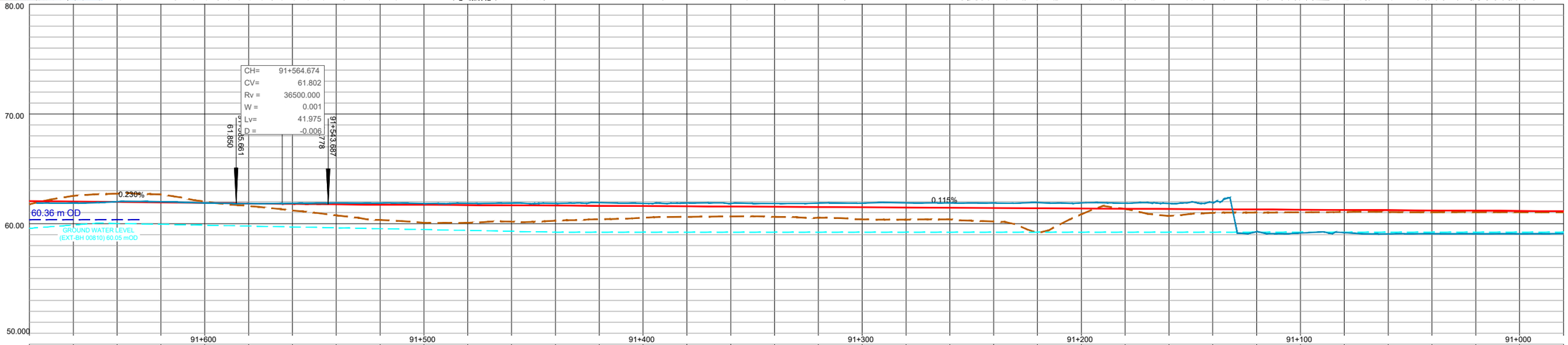
LAYOUT PLAN

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



HS 1:1000
VS 1:200

CHAINAGE	91+600	91+500	91+400	91+300	91+200	91+100	91+000
LEVELS: T.O.R. DESIGN	62.067, 62.021, 61.975, 61.929, 61.883, 61.837, 61.800, 61.773, 61.750, 61.727, 61.704, 61.681, 61.658, 61.635, 61.612, 61.588, 61.566, 61.543, 61.520, 61.497, 61.474, 61.451, 61.428, 61.405, 61.382, 61.359, 61.336, 61.313, 61.290, 61.267, 61.244, 61.221, 61.198, 61.175, 61.152, 61.129						
LEVELS: CURRENT T.O.R.	61.771, 62.526, 62.734, 62.653, 62.011, 61.613, 61.200, 60.759, 60.337, 60.078, 60.077, 60.170, 60.286, 60.405, 60.529, 60.618, 60.656, 60.618, 60.528, 60.388, 60.371, 60.386, 60.191, 59.144, 60.854, 61.341, 60.698, 60.978, 61.005, 61.029, 61.058, 61.069, 61.025, 61.045, 61.043, 61.023						
LEVELS: CUT / FILL DEPTHS	0.296, -0.505, -0.760, -0.724, -0.128, 0.224, 0.600, 0.015, 1.413, 1.650, 1.827, 1.512, 1.393, 1.231, 1.083, 0.970, 0.910, 0.925, 0.993, 1.109, 1.103, 1.065, 1.237, 2.262, 0.529, 0.019, 0.638, 0.336, 0.285, 0.238, 0.186, 0.152, 0.173, 0.130, 0.109, 0.107						
GEOMETRY: VERTICAL	0.230% L=566.882; Rv=36500.000 L=41.975; 0.115% L=827.635						
GEOMETRY: CANT LEFT / RIGHT	140mm; 140mm						
GEOMETRY: HORIZONTAL	A=326.581 L=118.030; R=903.624 L=94.050; A=326.567 L=118.020; STRAIGHT L=71.572; A=328.634 L=120.000; R=900.000 L=65.785; A=328.634 L=120.000; STRAIGHT L=297.265						
	91+631.711	91+537.661	91+419.640	91+348.068	91+228.068	91+162.283	91+042.283

LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | G3 | ROD Roughan & O'Donovan

Project: DART+ West

Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN
SECTION S7 DOWNLINE

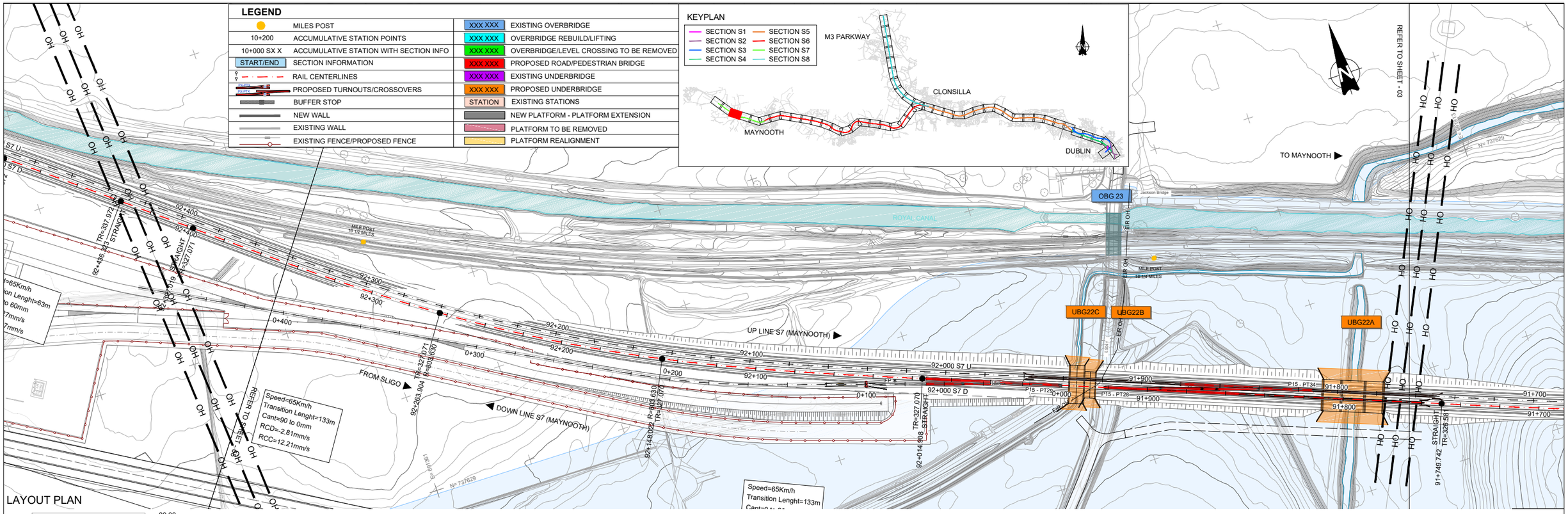
Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0004 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 03 of 06

LEGEND

	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT



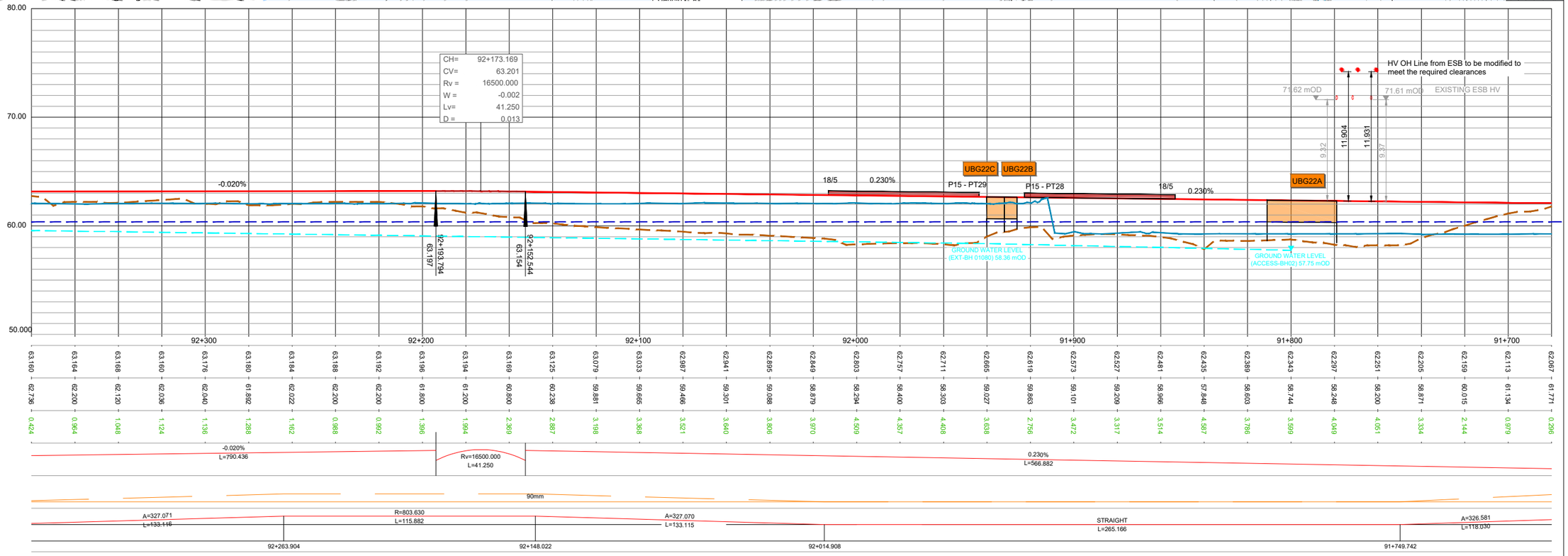
LAYOUT PLAN

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1. DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSI_NMA_180** (OSI Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | G3 | ROD Edgcoran & O'Donovan

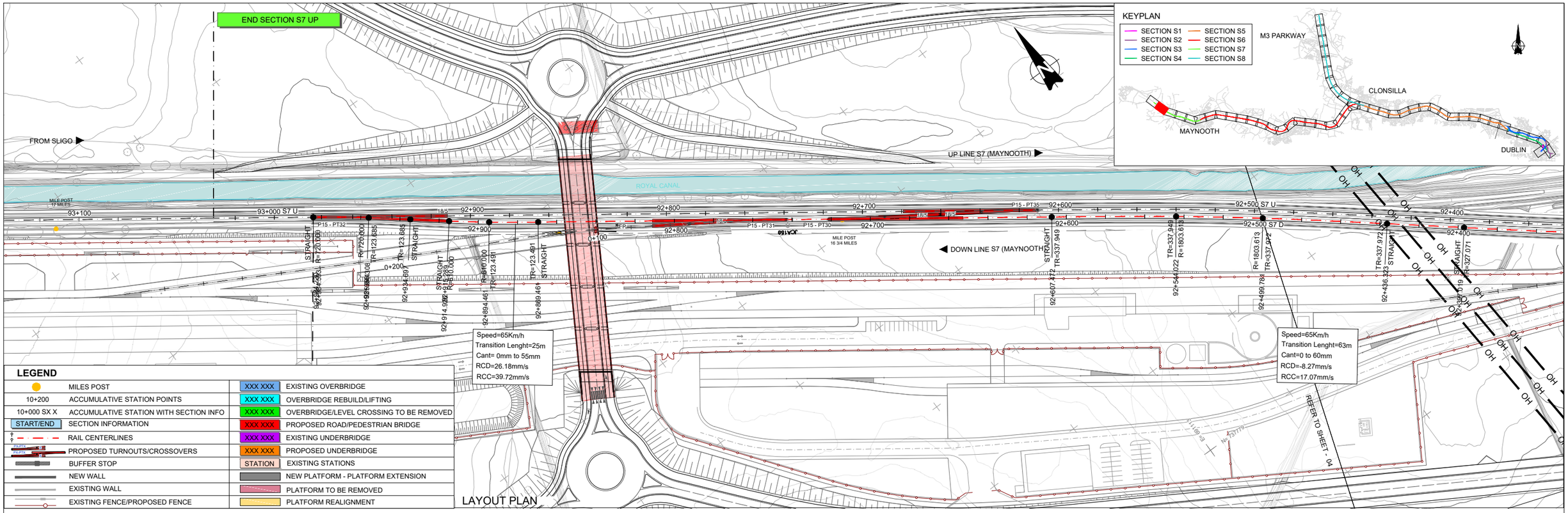
Project: DART+ West

Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN
SECTION S7 DOWNLINE

Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0004 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 04 of 06



LAYOUT PLAN

LEGEND

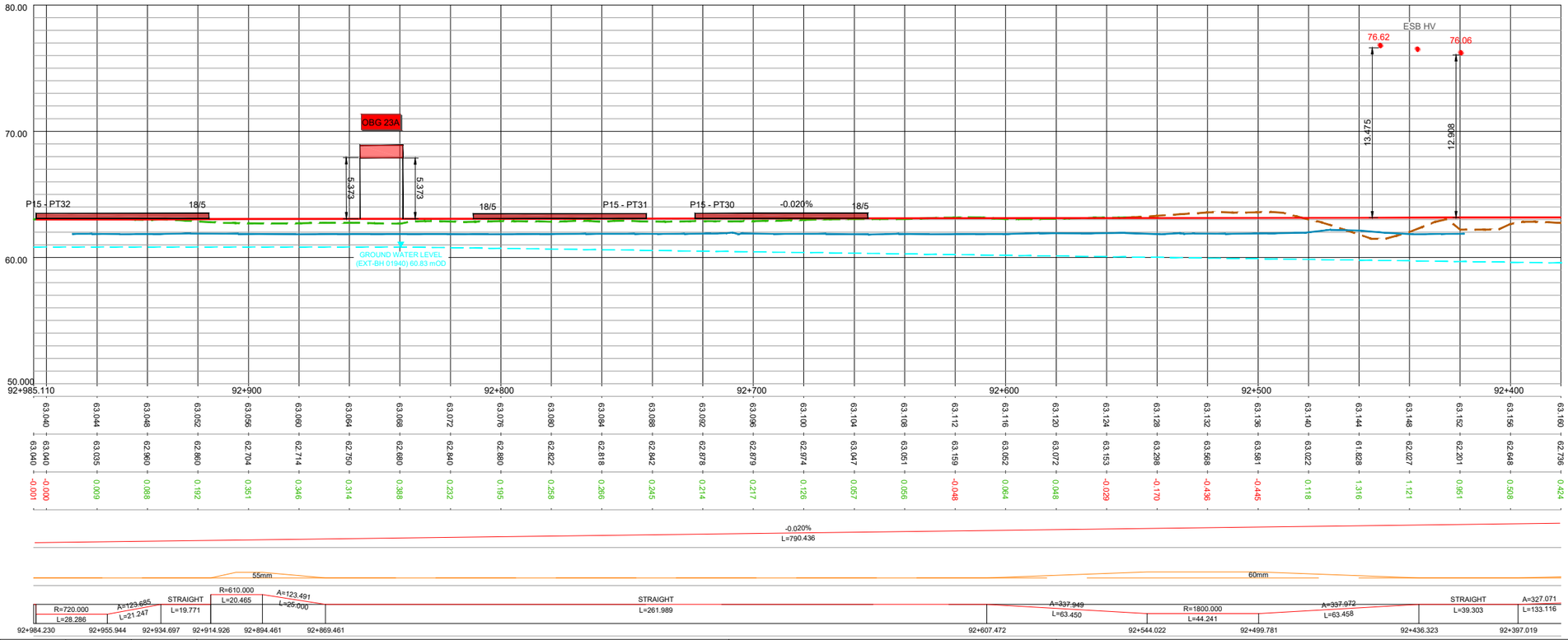
	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.



LONGITUDINAL PROFILE

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSI Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | G3 | ROD Roughan & O'Donovan

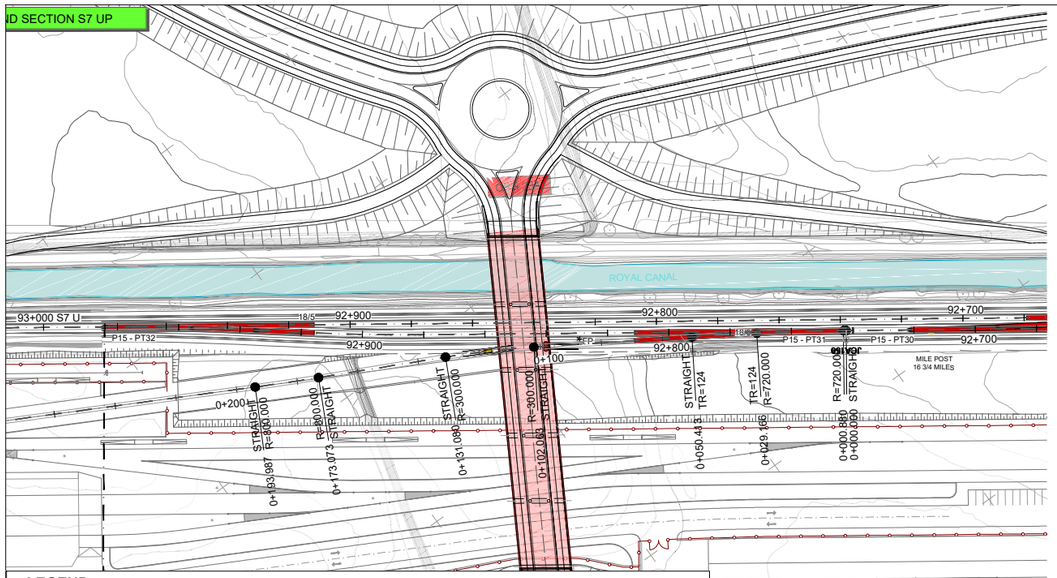
Project: DART+ West

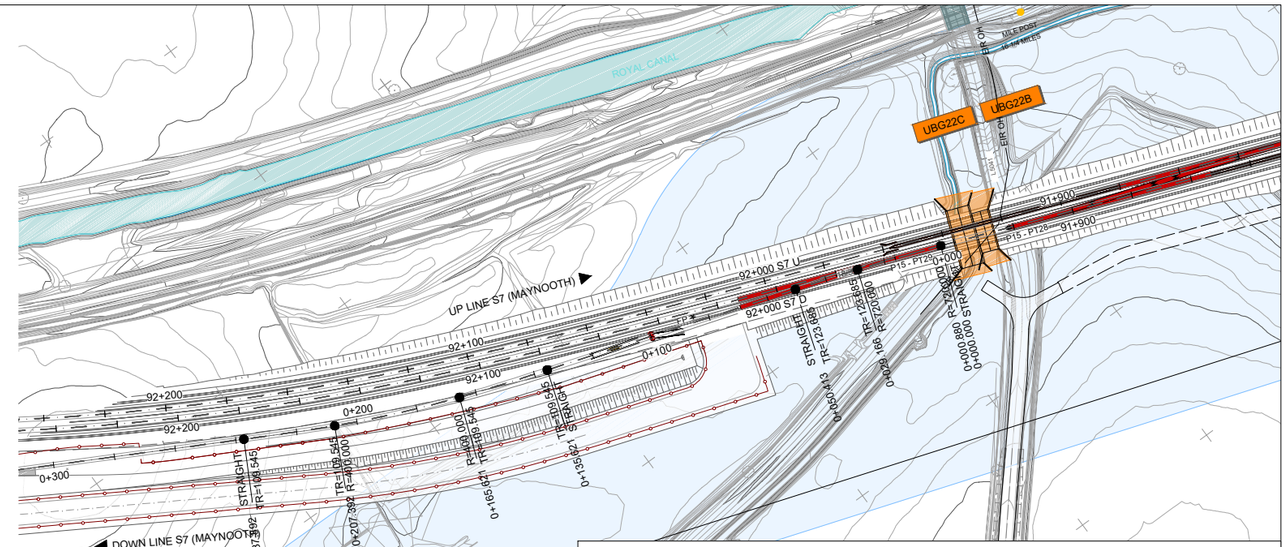
Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN
SECTION S7 DOWNLINE

Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0004	D

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	05 of 06



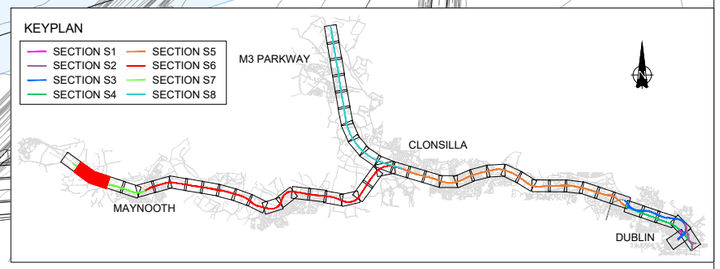


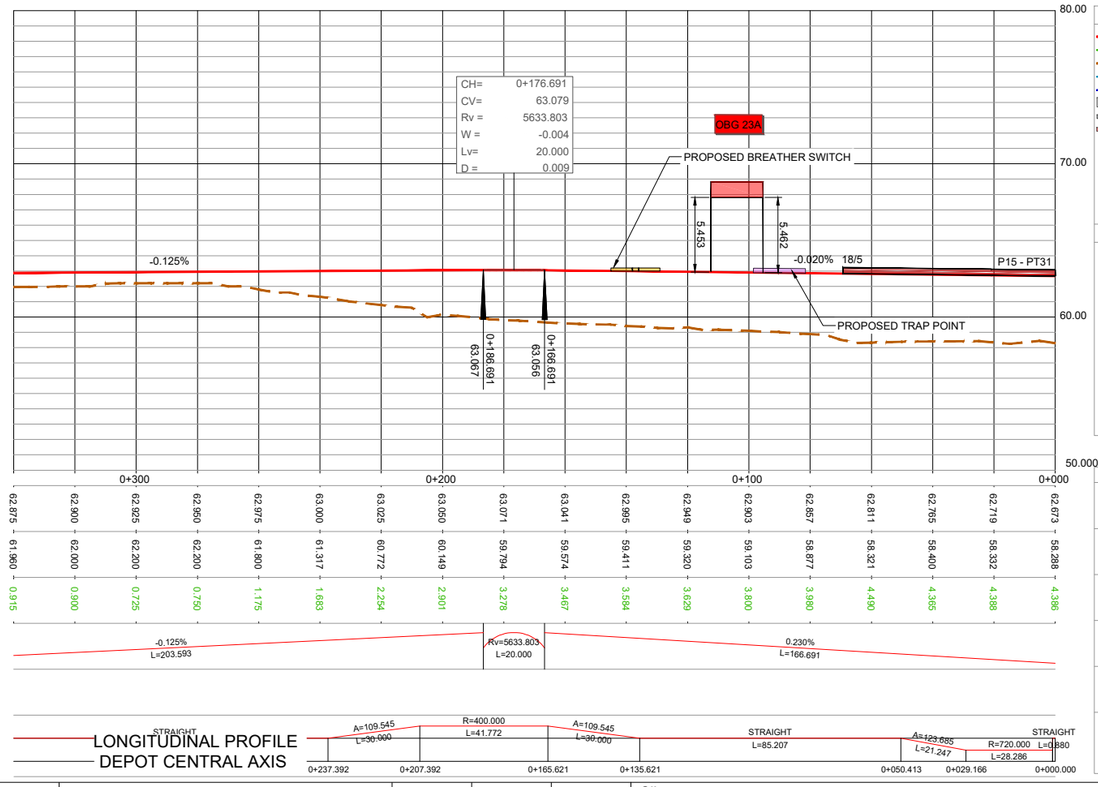
LEGEND

	MILES POST	XXX XXX	EXISTING OVERBRIDGE
10+200	ACCUMULATIVE STATION POINTS	XXX XXX	OVERBRIDGE REBUILD/LIFTING
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO	XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
START/END	SECTION INFORMATION	XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
	RAIL CENTERLINES	XXX XXX	EXISTING UNDERBRIDGE
	PROPOSED TURNOUTS/CROSSOVERS	XXX XXX	PROPOSED UNDERBRIDGE
	BUFFER STOP	STATION	EXISTING STATIONS
	NEW WALL		NEW PLATFORM - PLATFORM EXTENSION
	EXISTING WALL		PLATFORM TO BE REMOVED
	EXISTING FENCE/PROPOSED FENCE		PLATFORM REALIGNMENT

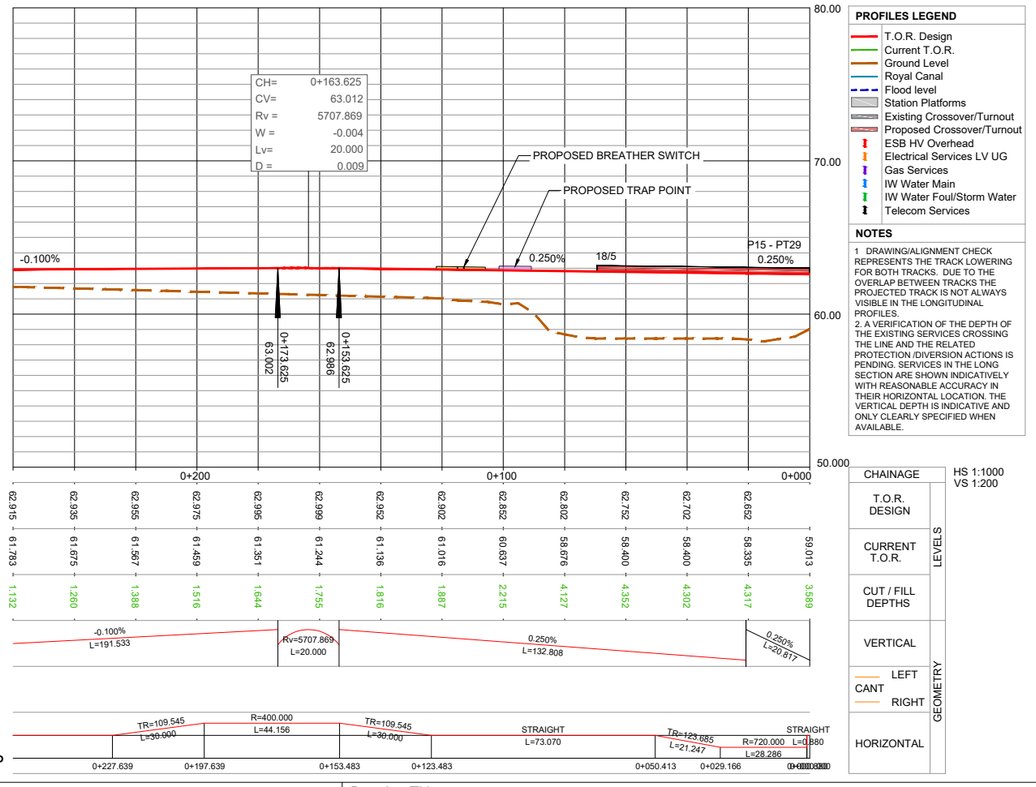
LAYOUT PLAN - DEPOT CENTRAL AXIS

LAYOUT PLAN - DEPOT EAST AXIS - AWP





LONGITUDINAL PROFILE
DEPOT CENTRAL AXIS



LONGITUDINAL PROFILE
DEPOT EAST AXIS - AWP

PROFILES LEGEND

- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES

1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

PROFILES LEGEND
- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

NOTES
1 DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSI Aerial Data or OSI Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSI Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | CS | ROD Roughan & O'Donovan

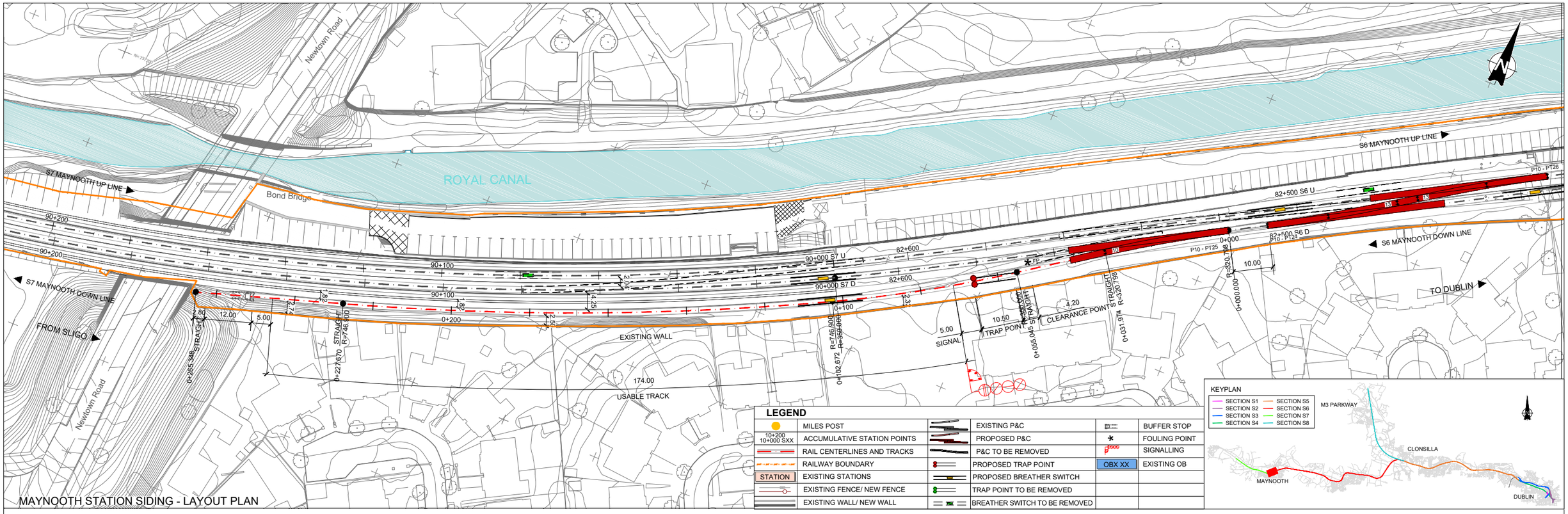
Project: DART+ West

Drawing Title
PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. ACCESS TO DEPOT
DEPOT EAST AXIS - AWP; DEPOT CENTRALI AXIS

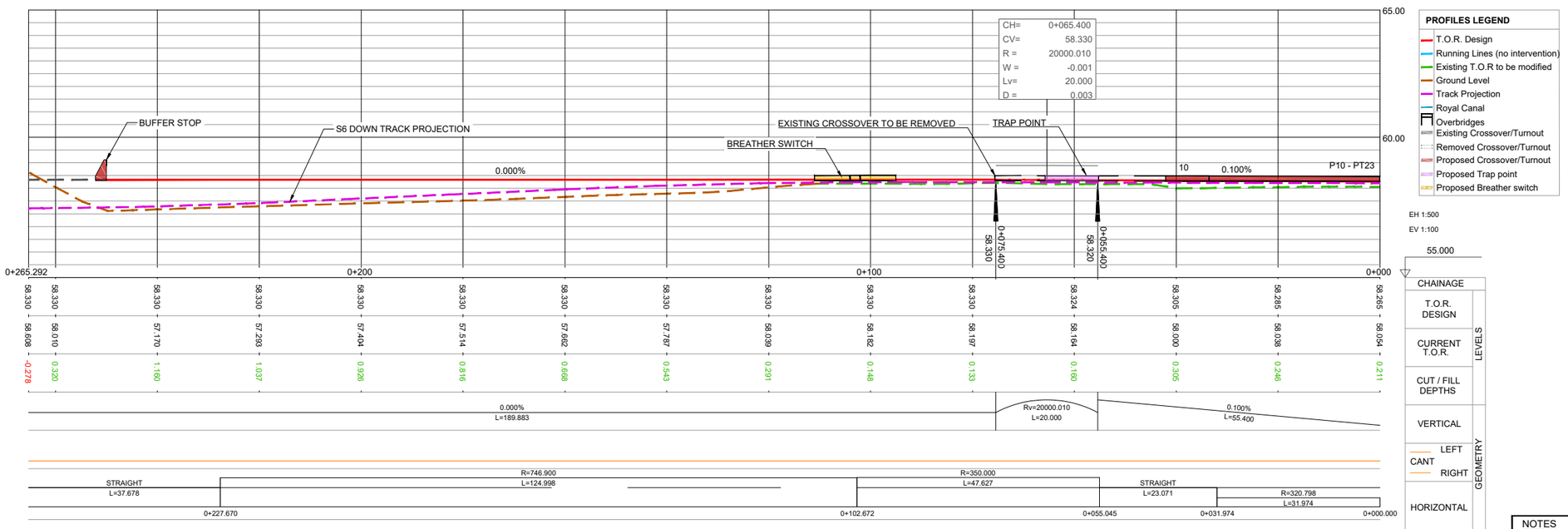
Scale: 1:1000 @ A1 1:2000 @ A3
0 5 12.5 25 50

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0004 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 06 of 06



MAYNOOTH STATION SIDING - LAYOUT PLAN



MAYNOOTH STATION SIDING - LONGITUDINAL PROFILE

NOTES

2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION/DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. 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 Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland" Survey No. **0039720** (OSi Aerial Data or OSi Lidar Data) & Survey No. **2020/OSi_NMA_180** (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Malin Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client: Tionscadal Éireann Project Ireland 2040 | NTA Údarás Náisiúnta Iompair National Transport Authority | Iarnród Éireann Irish Rail

Consultant: IDOM | CS | ROD Roughan & O'Donovan

Project: DART+ West

Drawing Title: PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT. SIDING
MAYNOOTH STATION SIDING

Scale: 1:500 @ A1-XL 1:1000 @ A3
0 2.5 6.25 12.5 25

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	TRK	SC07	DR	C	0005	D

Date:	Job No:	Status:	Rev:	
April 2022	P/101086	F1-Approved & accepted	V01	Sheet: 01 of 01