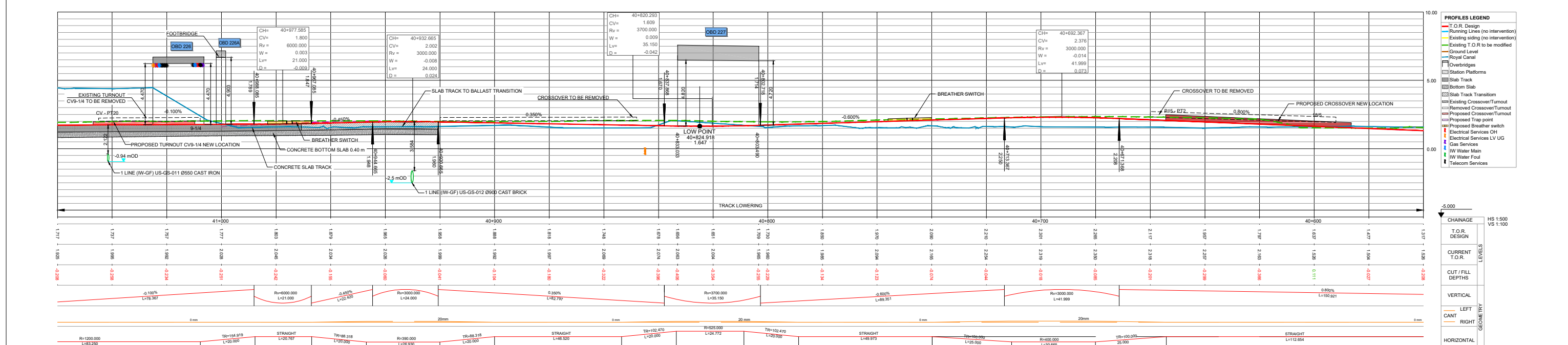


LAYOUT PLAN - S4 (MGWR) TRACK LOWERING AT OBD227

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 30X	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	---	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	WATER MAIN/GRAVITY FOUL	---	TRACK LOWERING STRETCH
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHING SWITCH	---	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	ELECTRICAL SERVICES OHUG	---	TRACK REALIGNMENT STRETCH
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	---	OVERBRIDGE/TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	GAS SERVICES	---	ESTIMATED OPW FLOODING AREAS
---	JUNCTIONS	---	BUFFER STOP	---	EXISTING BREATHING SWITCH	---	PROPOSED OVERBRIDGE/CTO	---	SLAB TRACK/SLAB TRACK TRANSITION	---	TELECOMMUNICATION SERVICES	---	



LONGITUDINAL PROFILES - S4 MGWR TRACK LOWERING AT OBD227

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
- A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION/DEFLECTION 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY / REVIEWED BY / APPROVED BY					

Client: **2040** (The National Transport Authority) and **Irish Rail** (Iarnród Éireann)

Consultant: **IDOM**, **JROD**, and **DART+ West**

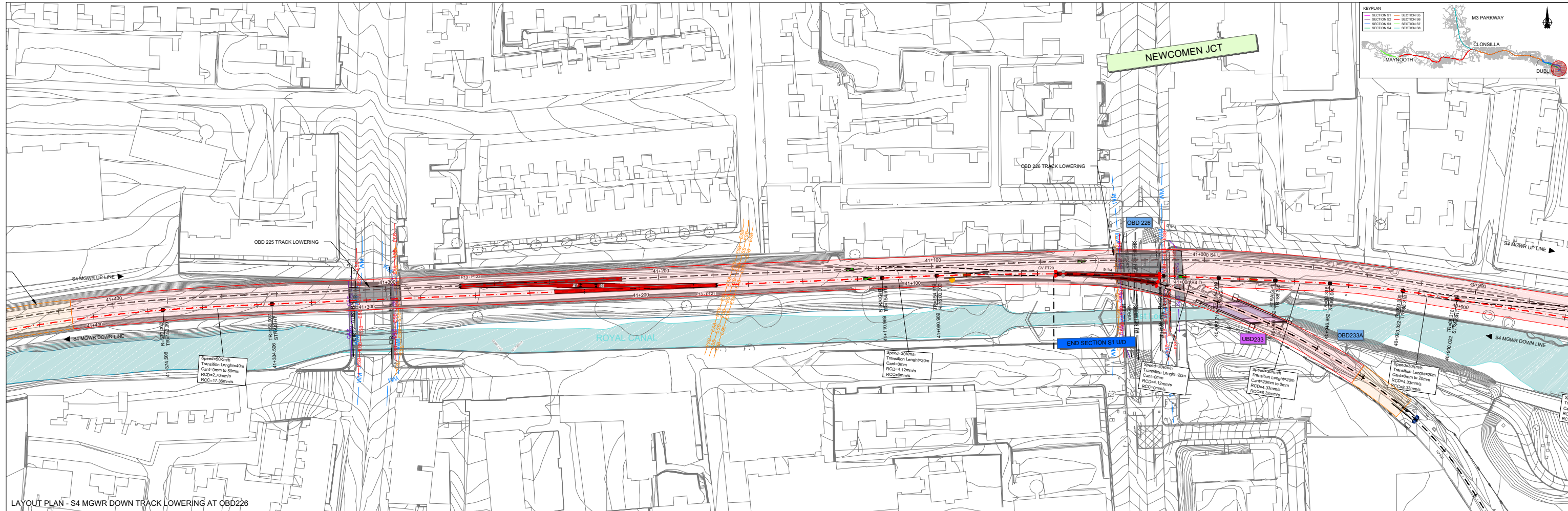
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR) ALIGNMENT AND PROFILES OBD227 TRACK LOWERING**

Scale: 1:500 @ A1-XL, 1:1000 @ A3

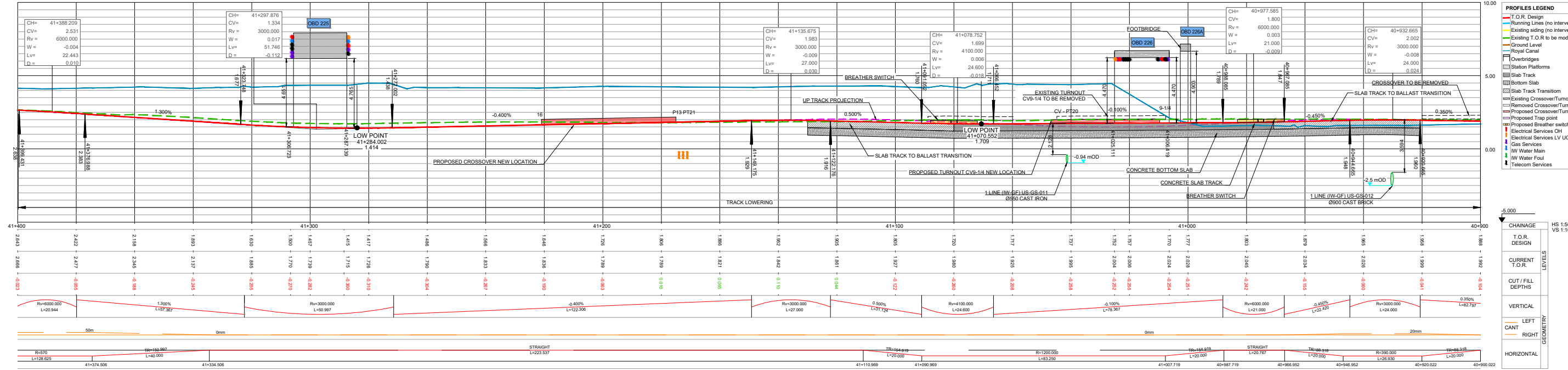
Drawing Number: **MAY MDC TRK SC04 DR C 0002 D**

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 01 of 10



LAYOUT PLAN - S4 MGWR DOWN TRACK LOWERING AT OBD226

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000.000	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	---	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	WATER MAIN/GRAVITY FOUL	---	TRACK LOWERING STRETCH
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHER SWITCH	---	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	ELECTRICAL SERVICES OHUG	---	TRACK REALIGNMENT STRETCH
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	---	OVERBRIDGE/CLTO TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	GAS SERVICES	---	ESTIMATED OPW FLOODING AREAS
XX JCT	JUNCTIONS	---	BUFFER STOP	---	EXISTING BREATHER SWITCH	---	PROPOSED OVERBRIDGE/CL	---	SLAB TRACK/SLAB TRACK TRANSITION	---	TELECOMMUNICATION SERVICES	---	



LONGITUDINAL PROFILES - S4 MGWR DOWN TRACK LOWERING AT OBD226

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PROVIDED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
- A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION/INVERSION 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY/REVIEWED BY/APPROVED BY					

Client: **2040** (The National Transport Authority)

Consultant: **IDOM**, **JROD**

Project: **lamróid Éireann Irish Rail**

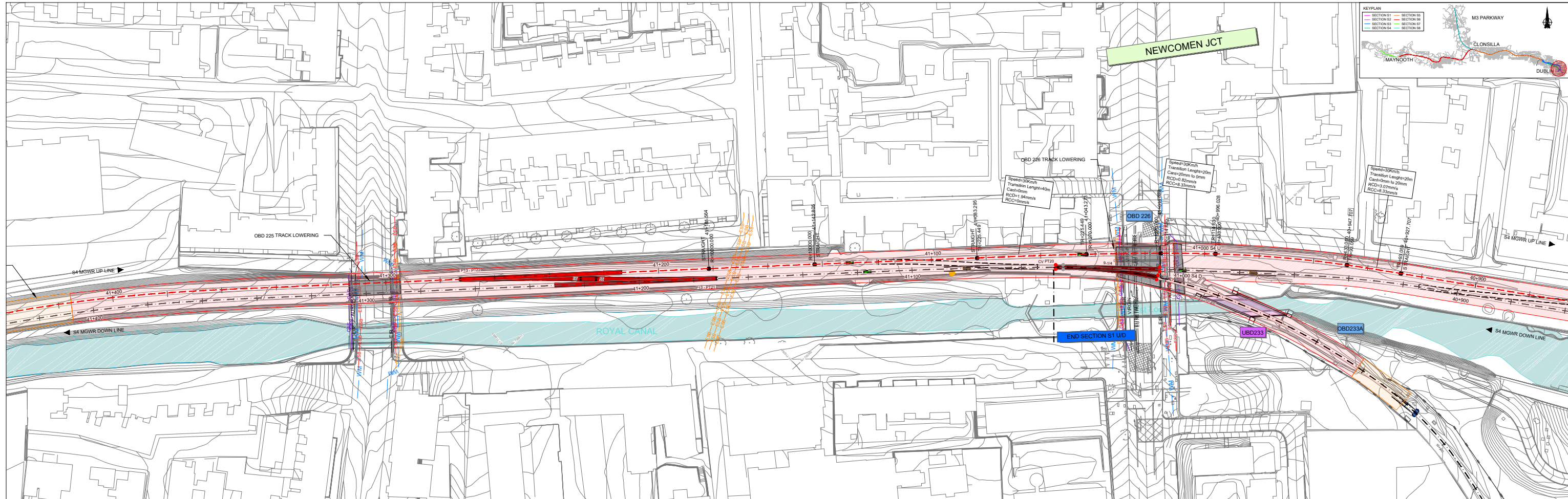
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR) ALIGNMENT AND PROFILES OBD226 TRACK LOWERING - DOWN TRACK**

Scale: 1:500 @ A1-XL, 1:1000 @ A3

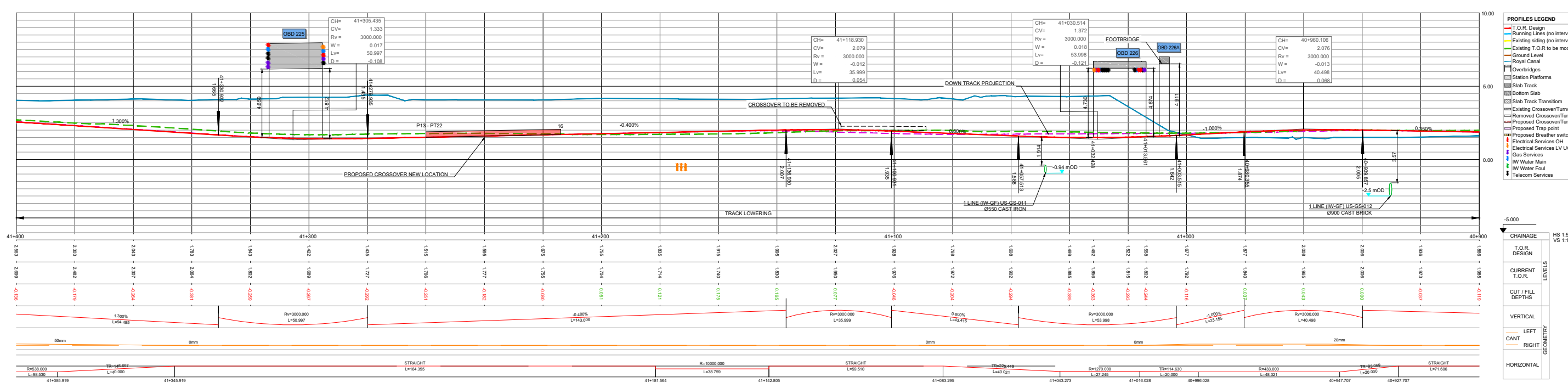
Drawing Number: **1** | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 | Job No: P1/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 02 of 10



LAYOUT PLAN - S4 MGWR UP TRACK LOWERING AT OBD226

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000 500X	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	---	TRAP POINT TO BE REMOVED	OBXX XX	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	---	---	---
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHER SWITCH	---	BREATHER SWITCH TO BE REMOVED	OBXX XX	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	---	---	---
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	---	FOULING POINT	OBXX XX	OVERBRIDGE/CTO TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	---	---	---
---	JUNCTIONS	---	BUFFER STOP	---	EXISTING BREATHER SWITCH	---	EXISTING TGA	OBXX XX	PROPOSED OVERBRIDGE/CTO	---	SLAB TRACK/SLAB TRACK TRANSITION	---	---	---	---



LONGITUDINAL PROFILES - S4 MGWR UP TRACK LOWERING AT OBD226

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

PRODUCED BY: [Signature] REVIEWED BY: [Signature] APPROVED BY: [Signature]

Client: **2040** (The National Transport Authority)

Consultant: **IDOM**, **NTA** (National Transport Authority), **lamróid Éireann Irish Rail**, **JROD**

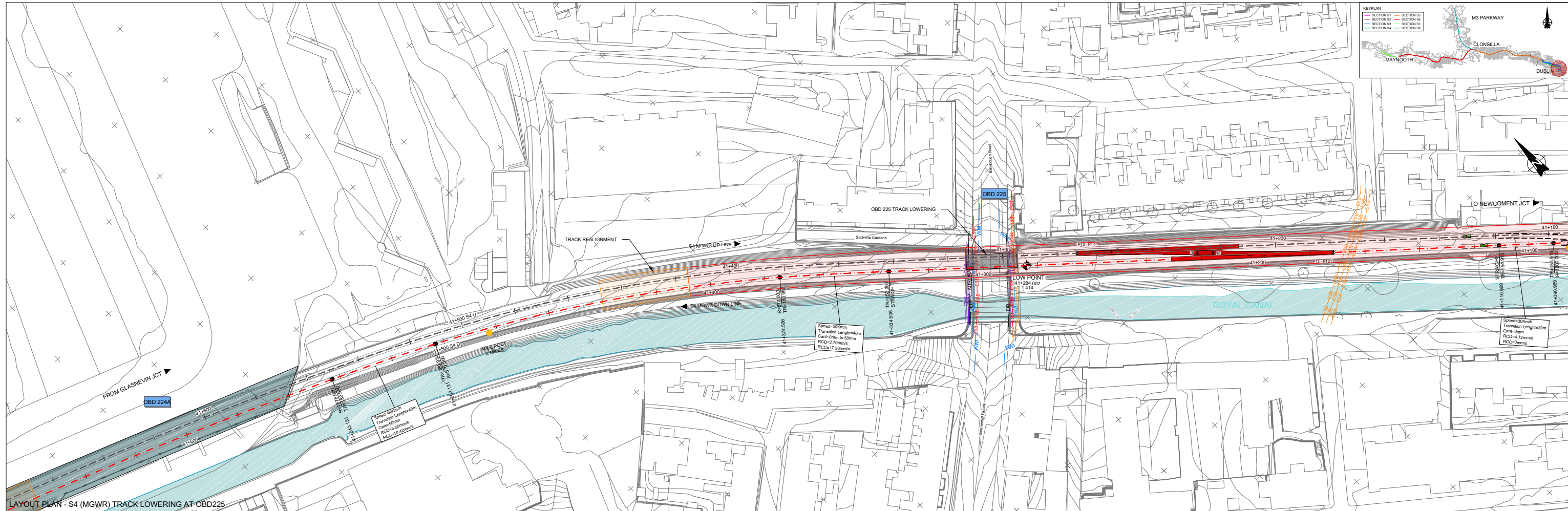
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES OBD226 TRACK LOWERING - UP TRACK**

Scale: 1:500 @ A1-XL, 1:1000 @ A3

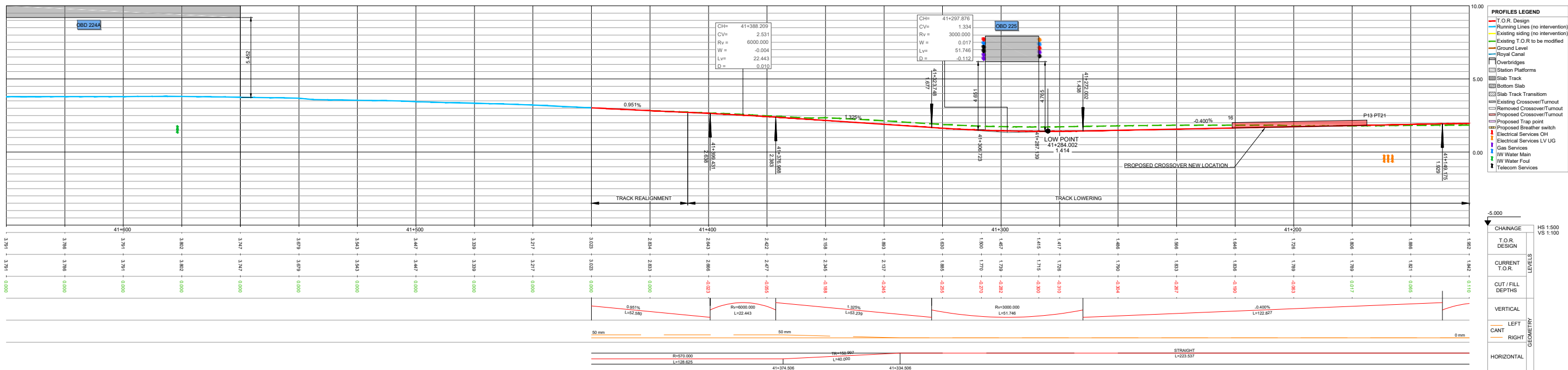
Drawing Number: **1** | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 | Job No: P1101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 03 of 10



ALIGNMENT LEGEND

10+000 10+000.500	MILES POST	EXISTING P&C	PROPOSED TRAP POINT	TRAP POINT TO BE REMOVED	STRUCTURES	WALLS AND FENCES	EXISTING UTILITIES	OTHER
10+000.500	ACCUMULATIVE STATION POINTS	PROPOSED P&C	PROPOSED BREATHING SWITCH	BREATHING SWITCH TO BE REMOVED	EXISTING OVERBRIDGE	EXISTING FENCES	WATER MAIN/GRAVITY FOUL	TRACK LOWERING STRETCH
XX JCT	RAIL CENTERLINES AND TRACKS	P&C TO BE REMOVED	EXISTING TRAP POINT	FOULING POINT	OVERBRIDGE REBUILD/LIFTING	PROPOSED FENCES	ELECTRICAL SERVICES OHUG	TRACK REALIGNMENT STRETCH
	JUNCTIONS	BUFFER STOP	EXISTING BREATHING SWITCH	EXISTING TGA	OVERBRIDGE/LECTO TO BE REMOVED	EXISTING/PROPOSED WALLS	GAS SERVICES	ESTIMATED OPW FLOODING AREAS
					PROPOSED OVERBRIDGE/LECTO	SLAB TRACK/SLAB TRACK TRANSITION	TELECOMMUNICATION SERVICES	



PROFILES LEGEND

Running Lines (no intervention)	T.O.R. Design
Existing siding (no intervention)	Existing T.O.R. to be modified
Existing T.O.R. to be modified	Ground Level
Royal Canal	Overbridges
Overbridges	Station Platforms
Station Platforms	Slab Track
Slab Track	Bottom Slab
Bottom Slab	Slab Track Transition
Slab Track Transition	Existing Crossover/Turnout
Existing Crossover/Turnout	Removed Crossover/Turnout
Removed Crossover/Turnout	Proposed Crossover/Turnout
Proposed Crossover/Turnout	Proposed Trap point
Proposed Trap point	Proposed Breathing switch
Proposed Breathing switch	Electrical Services OH
Electrical Services OH	Electrical Services LV/UG
Electrical Services LV/UG	Gas Services
Gas Services	IW Water Main
IW Water Main	IW Water Foul
IW Water Foul	Telecom Services
Telecom Services	

LONGITUDINAL PROFILES - S4 MGWR TRACK LOWERING AT OBD225

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROPOSED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY			REVIEWED BY		

Client: **2040** (The National Transport Authority)

Consultant: **IDOM**, **JROD**

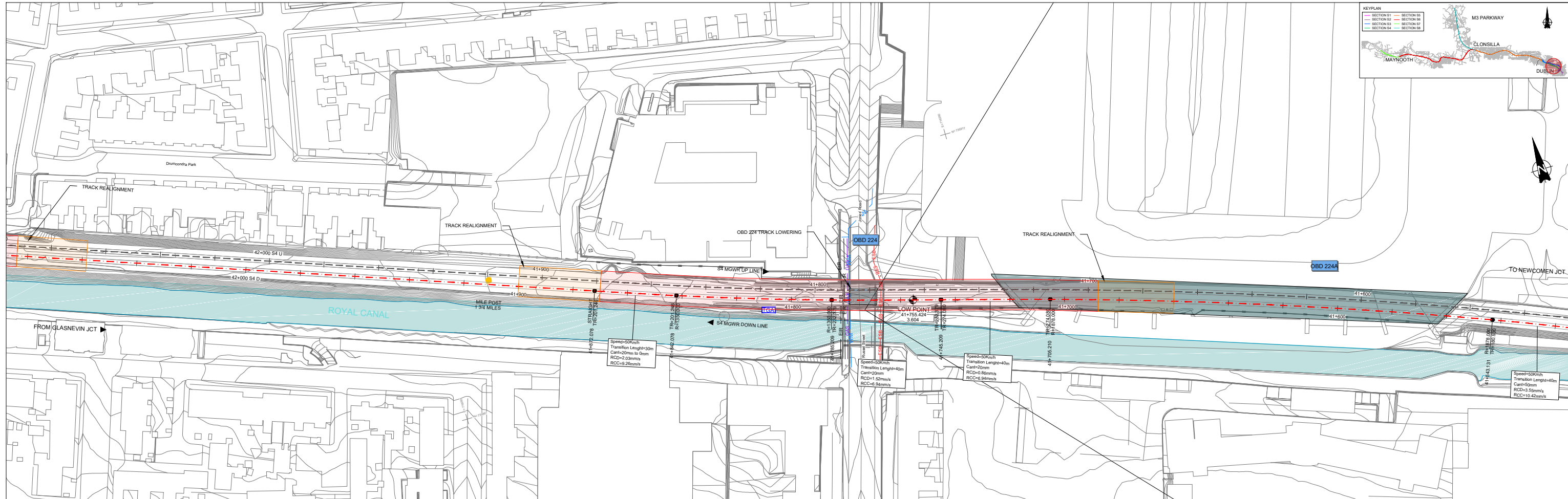
Project: **Irish Rail**, **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR) ALIGNMENT AND PROFILES OBD225 TRACK LOWERING**

Scale: 1:500 @ A1-XL, 1:1000 @ A3

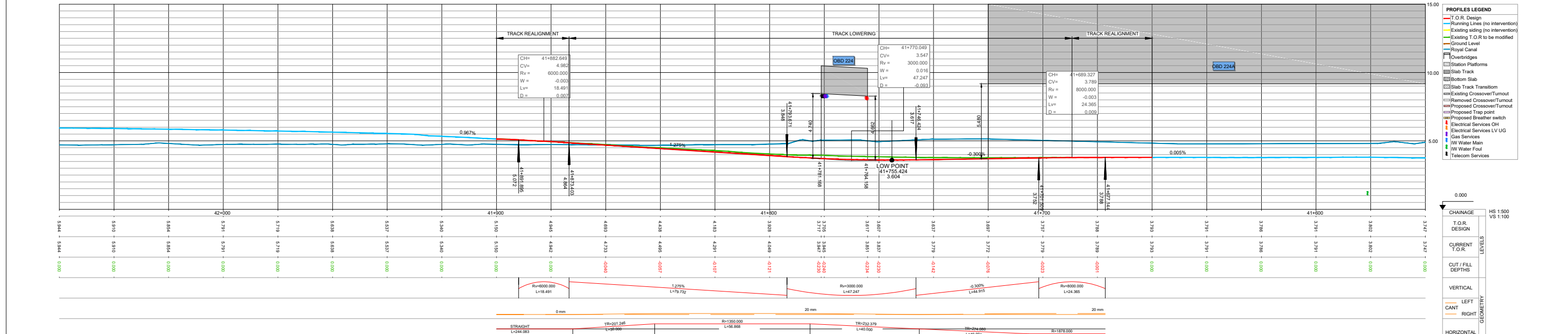
Drawing Number: **MAY MDC TRK SC04 DR C 0002 D**

Date: April 2022 | Job No: P101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 04 of 10



LAYOUT PLAN - S4 (MGWR) TRACK LOWERING AT OBD224

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000.500	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	---	TRAP POINT TO BE REMOVED	OBX XX	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	WM	---	---
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHING SWITCH	---	BREATHING SWITCH TO BE REMOVED	OBX XX	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	OH	---	---
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	---	FOULING POINT	OBX XX	OVERBRIDGE/TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	GS	---	---
XX JCT	JUNCTIONS	---	BUFFER STOP	---	EXISTING BREATHING SWITCH	---	EXISTING TGA	OBX XX	PROPOSED OVERBRIDGE/CL	---	SLAB TRACK/SLAB TRACK TRANSITION	---	TELECOMMUNICATION SERVICES	---	---



LONGITUDINAL PROFILES - S4 (MGWR) TRACK LOWERING AT OBD224

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY/REVIEWED BY APPROVED BY					

Client: **Transport for Ireland 2040**, **NTA**, **Irish Rail**

Consultant: **IDOM**, **JROD**

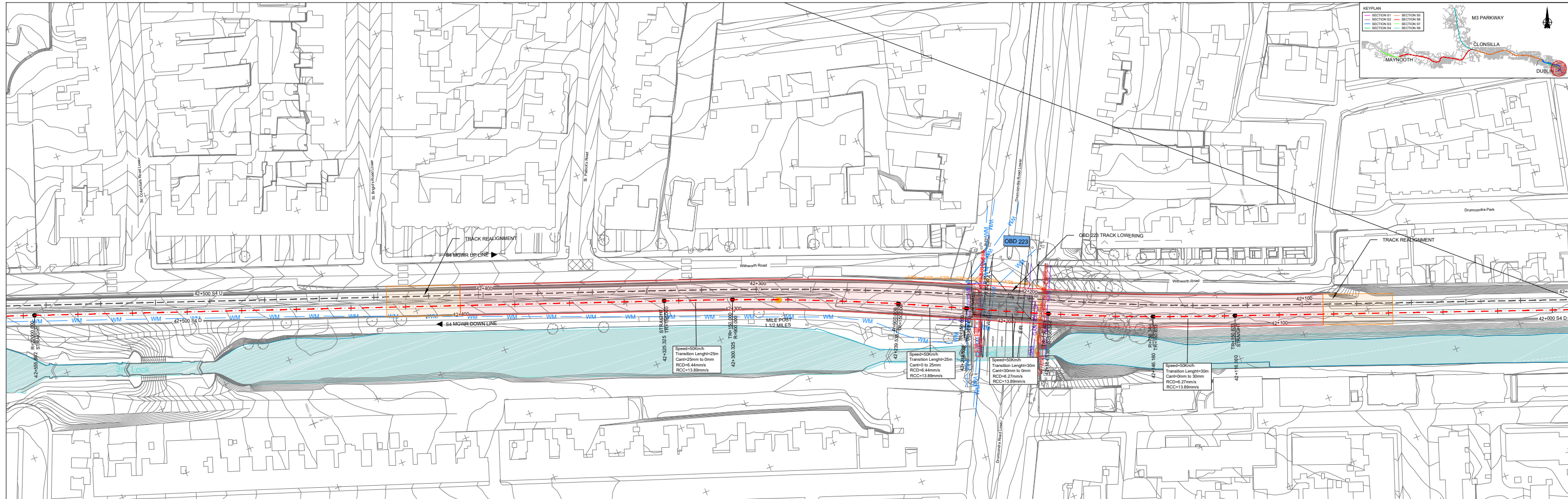
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR) ALIGNMENT AND PROFILES OBD224 TRACK LOWERING**

Scale: 1:500 @ A1-XL 1:1000 @ A3

Drawing Number: **MAY MDC TRK SC04 DR C 0002 D**

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 05 of 10



LAYOUT PLAN - S4 (MGWR) TRACK LOWERING AT OBD223

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	MILES POST	---	---	---	---	---	---	OBX XX	EXISTING OVERBRIDGE	---	---	---	---	---	---
---	ACCUMULATIVE STATION POINTS	---	---	---	---	---	---	UBX XX	OVERBRIDGE REBUILD/LIFTING	---	---	---	---	---	---
---	RAIL CENTERLINES AND TRACKS	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	JUNCTIONS	---	---	---	---	---	---	---	---	---	---	---	---	---	---



LONGITUDINAL PROFILES - S4 MGWR TRACK LOWERING AT OBD223

NOTES
 1. DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client: **2040** (Transportation Infrastructure Authority), **NTA** (National Transport Authority), **Irish Rail**

Consultant: **IDOM**, **JROD**

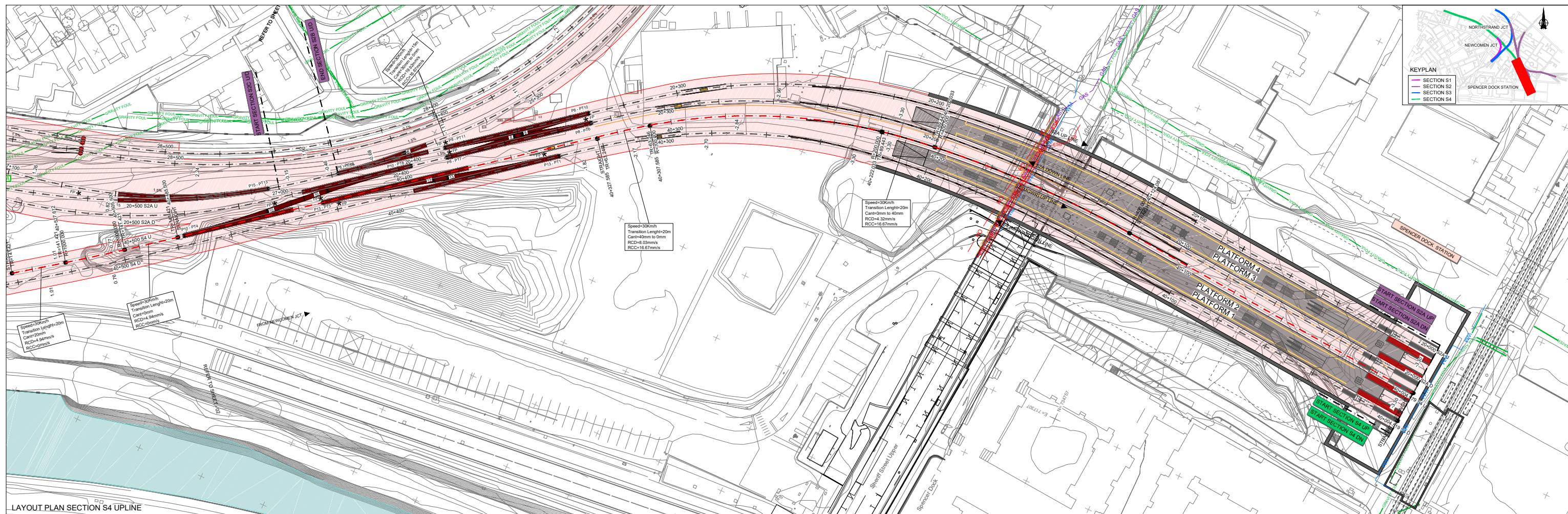
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES OBD223 TRACK LOWERING**

Scale: 1:500 @ A1-XL, 1:1000 @ A3

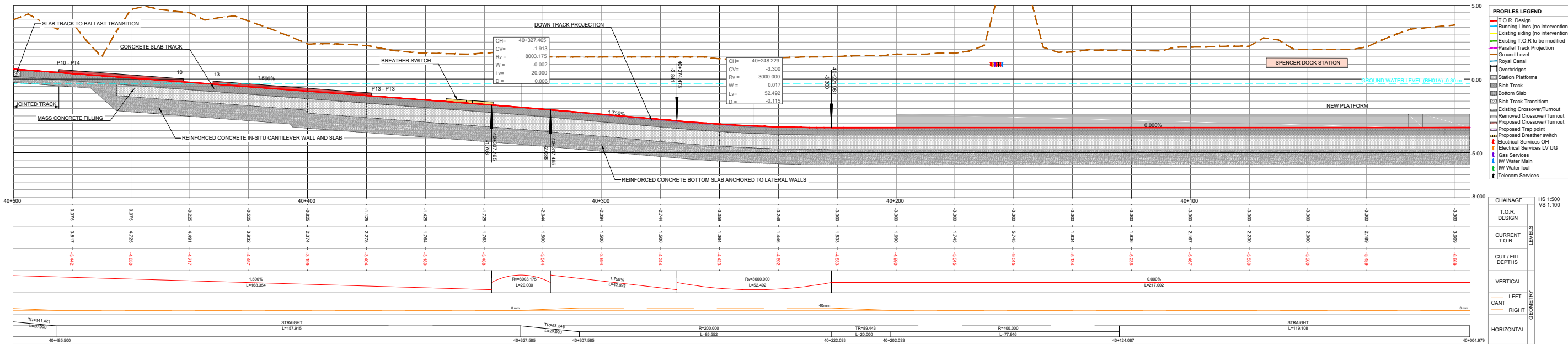
Drawing Number: **MAY MDC TRK SC04 DR C 0002 D**

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 06 of 10



LAYOUT PLAN SECTION S4 UPLINE

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED P&C		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	MILES POST	EXISTING P&C	PROPOSED P&C	PROPOSED TRAP POINT	TRAP POINT TO BE REMOVED	OBX XX	EXISTING OVERBRIDGE	EXISTING UNDERBRIDGE	EXISTING FENCES	WM	WATER MAIN/GRAVITY FOUL	TR	TRACK LOWERING STRETCH
10+000 SXX	ACCUMULATIVE STATION POINTS	PROPOSED P&C	PROPOSED BREATHING SWITCH	PROPOSED BREATHING SWITCH	BREATHING SWITCH TO BE REMOVED	UBX XX	OVERBRIDGE REBUILD/LIFTING	PROPOSED UNDERBRIDGE	PROPOSED FENCES	EH	ELECTRICAL SERVICES OHUG	TR	TRACK REALIGNMENT STRETCH
XX JCT	RAIL CENTERLINES AND TRACKS	P&C TO BE REMOVED	EXISTING TRAP POINT	EXISTING TRAP POINT	FOULING POINT	OBX XX	OVERBRIDGE/LC/O TO BE REMOVED	EXISTING STATIONS	EXISTING/PROPOSED WALLS	GS	GAS SERVICES	TR	EXTIMATED OPW FLOODING AREAS
XX JCT	JUNCTIONS	BUFFER STOP	EXISTING BREATHING SWITCH	EXISTING BREATHING SWITCH	EXISTING TGA	OBX XX	PROPOSED OVERBRIDGE/LC	PROPOSED OVERBRIDGE/LC	SLAB TRACKS/SLAB TRACK TRANSITION	TS	TELECOMMUNICATION SERVICES	TR	



LONGITUDINAL PROFILE SECTION S4 UPLINE

NOTES
 1. DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY REVIEWED BY APPROVED BY					

Client: **Transportation Infrastructure Authority (TIA)**

Consultant: **IDOM**, **NTA**, **Irish Rail**, **JROD**

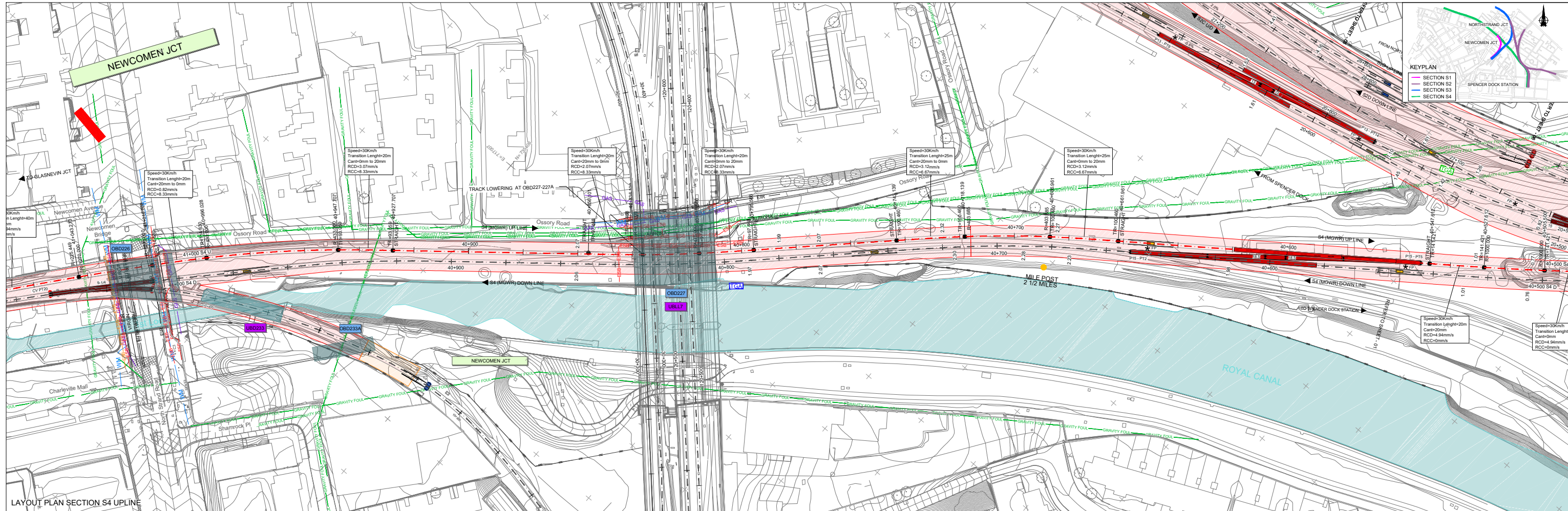
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S4 UPLINE**

Drawing Number: **MAY MDC TRK SC00 DR C 0002 D**

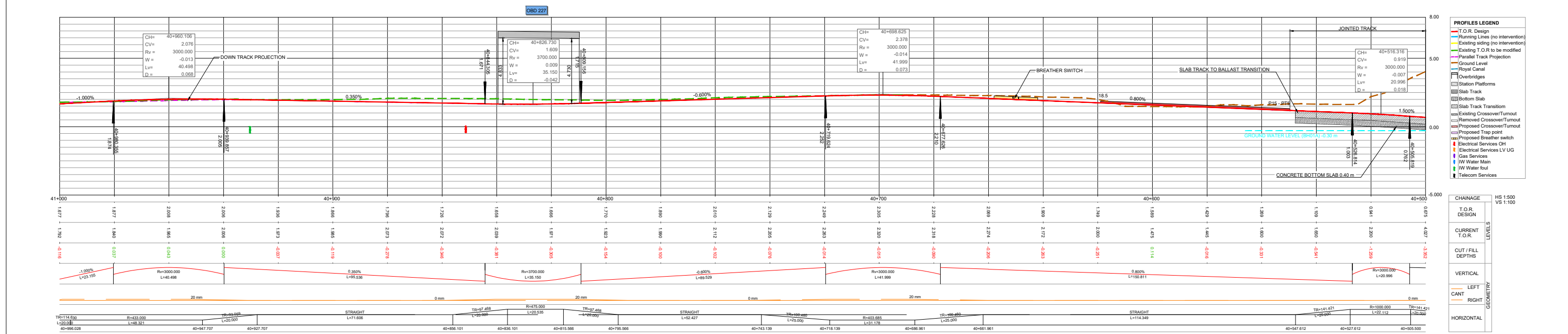
Scale: **1:1000 @ A1 1:2000 @ A3**

Date: **April 2022** | Job No: **P/101086** | Status: **F1-Approved & accepted** | Rev: **V01** | Sheet: **01 of 14**



LAYOUT PLAN SECTION S4 UPLINE

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000 33XX	MILES POST	10+000 10+000 33XX	EXISTING P&C	10+000 10+000 33XX	PROPOSED TRAP POINT	10+000 10+000 33XX	TRAP POINT TO BE REMOVED	OBX XX	EXISTING OVERBRIDGE	10+000 10+000 33XX	EXISTING FENCES	10+000 10+000 33XX	WATER MAIN/GRAVITY FOUL	10+000 10+000 33XX	TRACK LOWERING STRETCH
10+000 10+000 33XX	ACCUMULATIVE STATION POINTS	10+000 10+000 33XX	PROPOSED P&C	10+000 10+000 33XX	PROPOSED BREATHING SWITCH	10+000 10+000 33XX	BREATHING SWITCH TO BE REMOVED	UBX XX	OVERBRIDGE REBUILD/LIFTING	10+000 10+000 33XX	PROPOSED FENCES	10+000 10+000 33XX	ELECTRICAL SERVICES OHUG	10+000 10+000 33XX	TRACK REALIGNMENT STRETCH
10+000 10+000 33XX	RAIL CENTERLINES AND TRACKS	10+000 10+000 33XX	P&C TO BE REMOVED	10+000 10+000 33XX	EXISTING TRAP POINT	10+000 10+000 33XX	FOULING POINT	OBX XX	OVERBRIDGE/CTO TO BE REMOVED	10+000 10+000 33XX	EXISTING/PROPOSED WALLS	10+000 10+000 33XX	GAS SERVICES	10+000 10+000 33XX	ESTIMATED OPW FLOODING AREAS
10+000 10+000 33XX	JUNCTIONS	10+000 10+000 33XX	BUFFER STOP	10+000 10+000 33XX	EXISTING BREATHING SWITCH	10+000 10+000 33XX	EXISTING TGA	OBX XX	PROPOSED OVERBRIDGE/CTO	10+000 10+000 33XX	SLAB TRACK/SLAB TRACK TRANSITION	10+000 10+000 33XX	TELECOMMUNICATION SERVICES	10+000 10+000 33XX	



LONGITUDINAL PROFILE SECTION S4 UPLINE

NOTES

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

Client: **2040** (Transportation Infrastructure Authority)

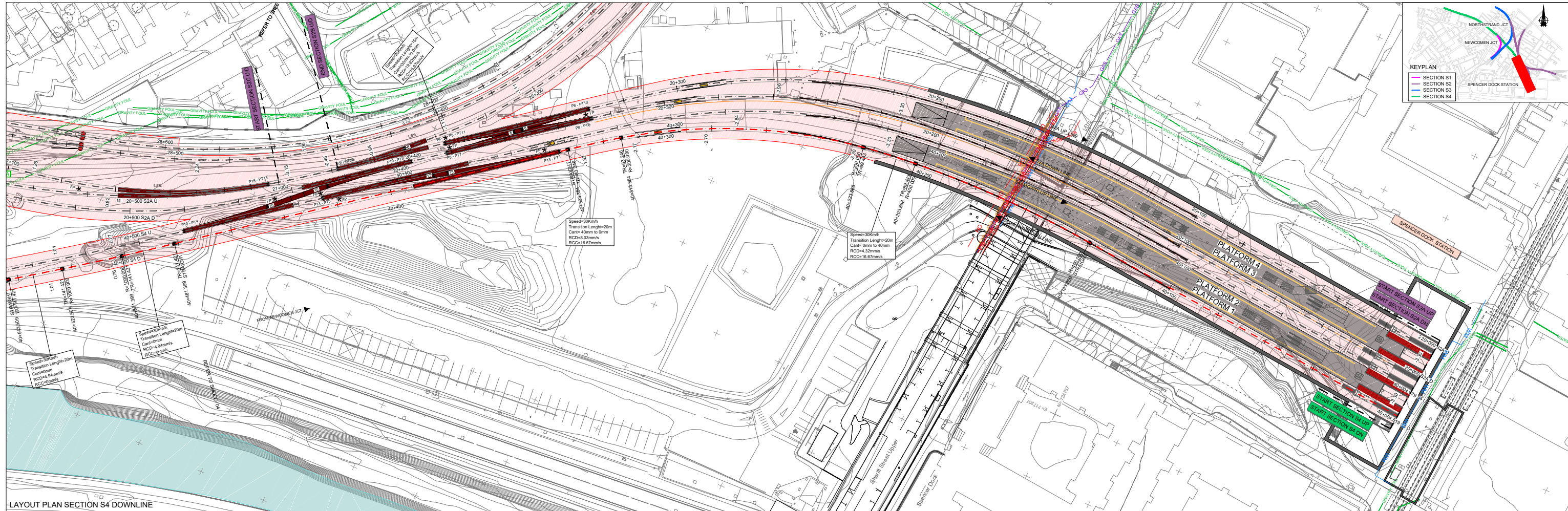
Consultant: **IDOM**, **JROD**

Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S4 UPLINE**

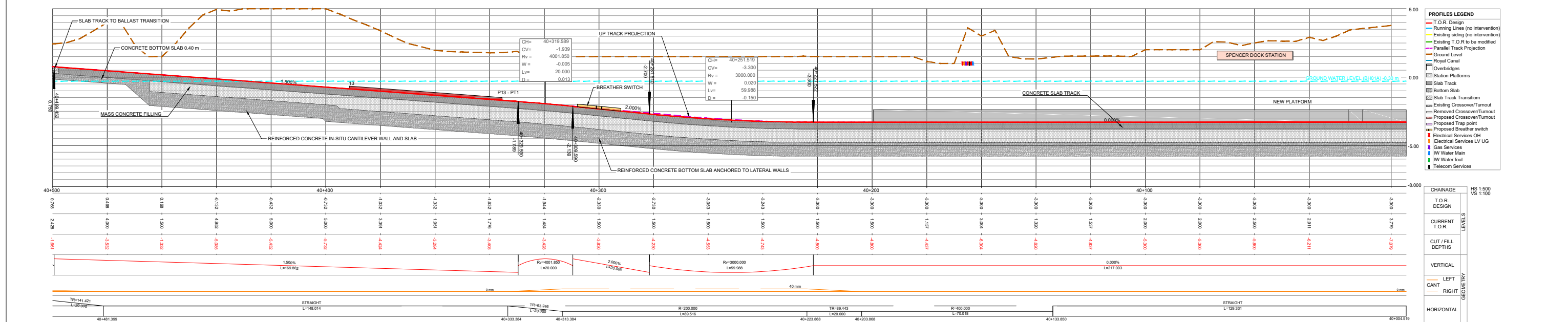
Drawing Number: **1** | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: **April 2022** | Job No: **P/101086** | Status: **F1-Approved & accepted** | Rev: **W1** | Sheet: **02** of **14**



LAYOUT PLAN SECTION S4 DOWNLINE

ALIGNMENT LEGEND		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	MILES POST	EXISTING P&C	PROPOSED TRAP POINT	EXISTING UNDERBRIDGE	EXISTING FENCES	WATER MAIN/GRAVITY FOUL	TRACK LOWERING STRETCH	TRACK LOWERING STRETCH	TRACK LOWERING STRETCH
10+000 SXX	ACCUMULATIVE STATION POINTS	PROPOSED P&C	PROPOSED BREATHING SWITCH	PROPOSED UNDERBRIDGE	PROPOSED FENCES	ELECTRICAL SERVICES OHUG	TRACK REALIGNMENT STRETCH	TRACK REALIGNMENT STRETCH	TRACK REALIGNMENT STRETCH
XX JCT	RAIL CENTERLINES AND TRACKS	P&C TO BE REMOVED	EXISTING TRAP POINT	EXISTING STATIONS	EXISTING/PROPOSED WALLS	GAS SERVICES	ESTIMATED OPW FLOODING AREAS	ESTIMATED OPW FLOODING AREAS	ESTIMATED OPW FLOODING AREAS
XX JCT	JUNCTIONS	BUFFER STOP	EXISTING BREATHING SWITCH	PROPOSED OVERBRIDGE/CTO	SLAB TRACK/SLAB TRACK TRANSITION	TELECOMMUNICATION SERVICES			



LONGITUDINAL PROFILE SECTION S4 DOWNLINE

NOTES
 1. DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

PRODUCED BY: [REDACTED] REVIEWED BY: [REDACTED] APPROVED BY: [REDACTED]

Client: **Transport for Ireland 2040**, **NTA** (National Transport Authority), **Irish Rail**

Consultant: **IDOM**, **JROD**

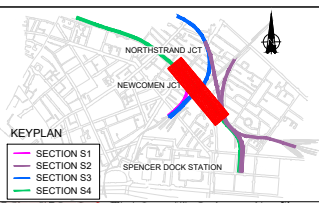
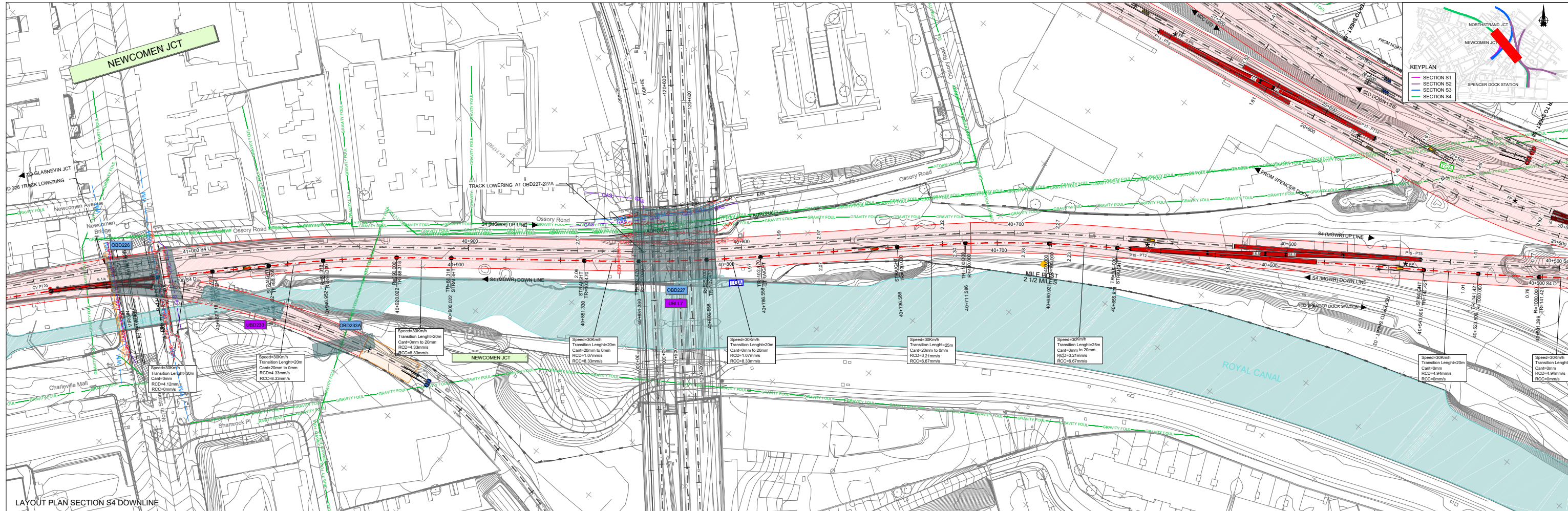
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S4 DOWNLINE**

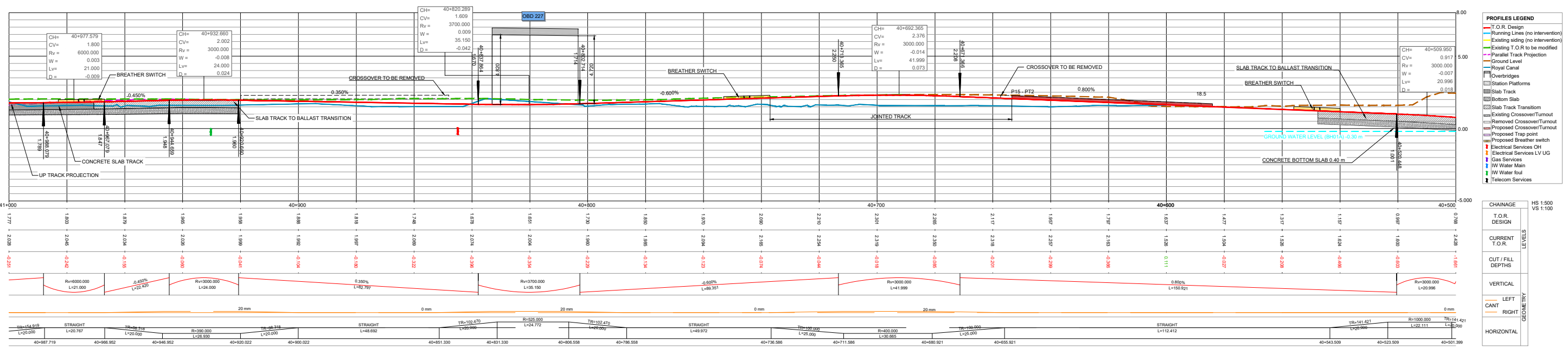
Scale: 1:1000 @ A1, 1:2000 @ A3

Drawing Number: **MAY MDC TRK SC00 DR C 0002 D**

Date: April 2022 Job No: P1/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 03 of 14



ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000 500	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	OBXX	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	WATER MAIN/GRAVITY FOUL	---	TRACK LOWERING STRETCH
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHING SWITCH	OBXX	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	ELECTRICAL SERVICES OHUG	---	TRACK REALIGNMENT STRETCH
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	OBXX	OVERBRIDGE/TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	GAS SERVICES	---	ESTIMATED OPW FLOODING AREAS
---	JUNCTIONS	---	BUFFER ZONE	---	EXISTING BREATHING SWITCH	OBXX	PROPOSED OVERBRIDGE/CTC	---	SLAB TRACK/SLAB TRACK TRANSITION	---	TELECOMMUNICATION SERVICES	---	



PROFILES LEGEND	
---	T.O.R. Design
---	Running Lines (no intervention)
---	Existing siding (no intervention)
---	Existing T.O.R. to be modified
---	Parallel Track Projection
---	Ground Level
---	Royal Canal
---	Overbridges
---	Station Platforms
---	Slab Track
---	Bottom Slab
---	Sub Track Transition
---	Existing Crossover/Turnout
---	Removed Crossover/Turnout
---	Proposed Crossover/Turnout
---	Proposed Trap point
---	Proposed Breather switch
---	Electrical Services OHUG
---	Electrical Services LV UG
---	Gas Services
---	W Water Main
---	W Water foul
---	Telecom Services

LONGITUDINAL PROFILE SECTION S4 DOWNLINE

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
- A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION/INVERSION 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client: **Transport Infrastructure Authority (TIA)**

Consultant: **IDOM**, **NTA**, **lamróid Éireann Irish Rail**, **JROD**

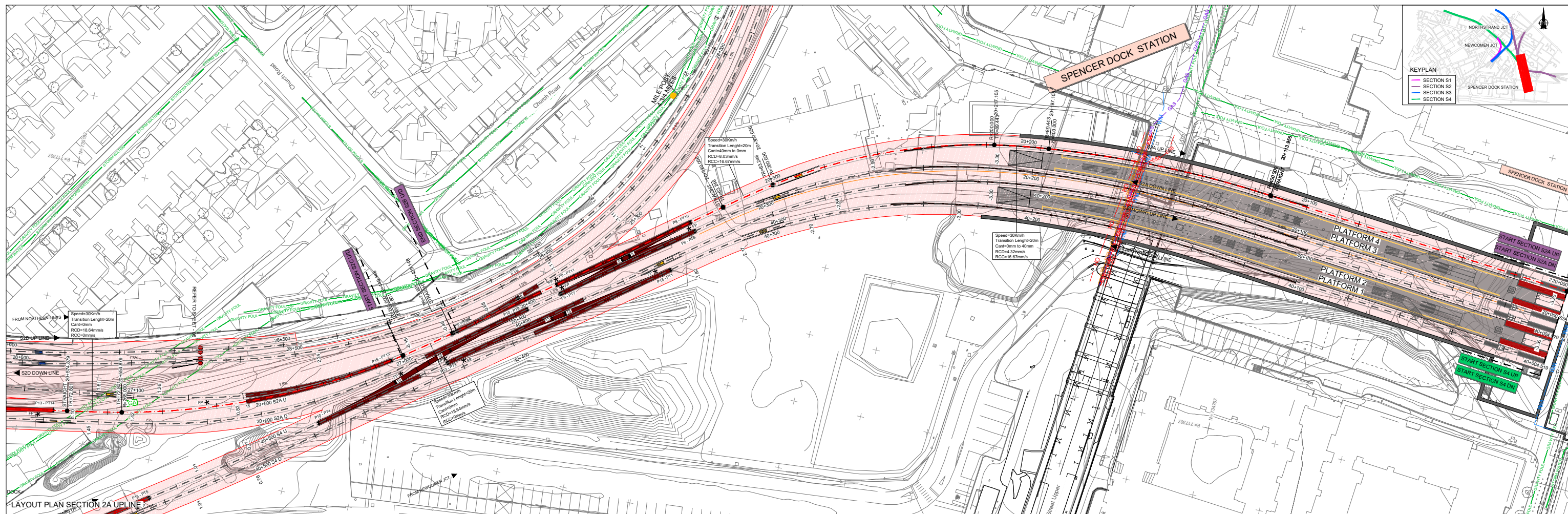
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S4 DOWNLINE**

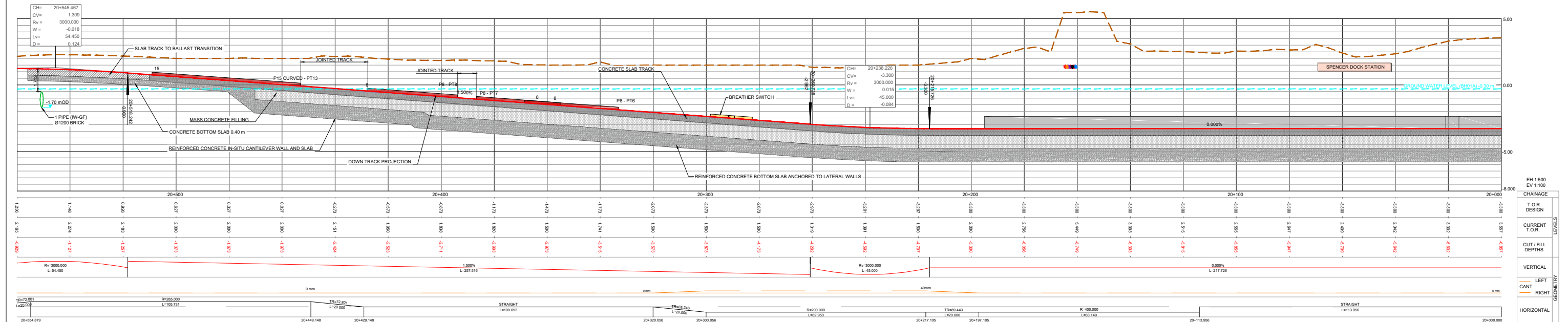
Scale: 1:1000 @ A1 1:2000 @ A3

Drawing Number: **1** | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 | Job No: P101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 04 of 14



ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX
10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX	10+000 SXX



LONGITUDINAL PROFILE SECTION S2A UPLINE

NOTES
 1. DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client: **Transport for Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **JROD**

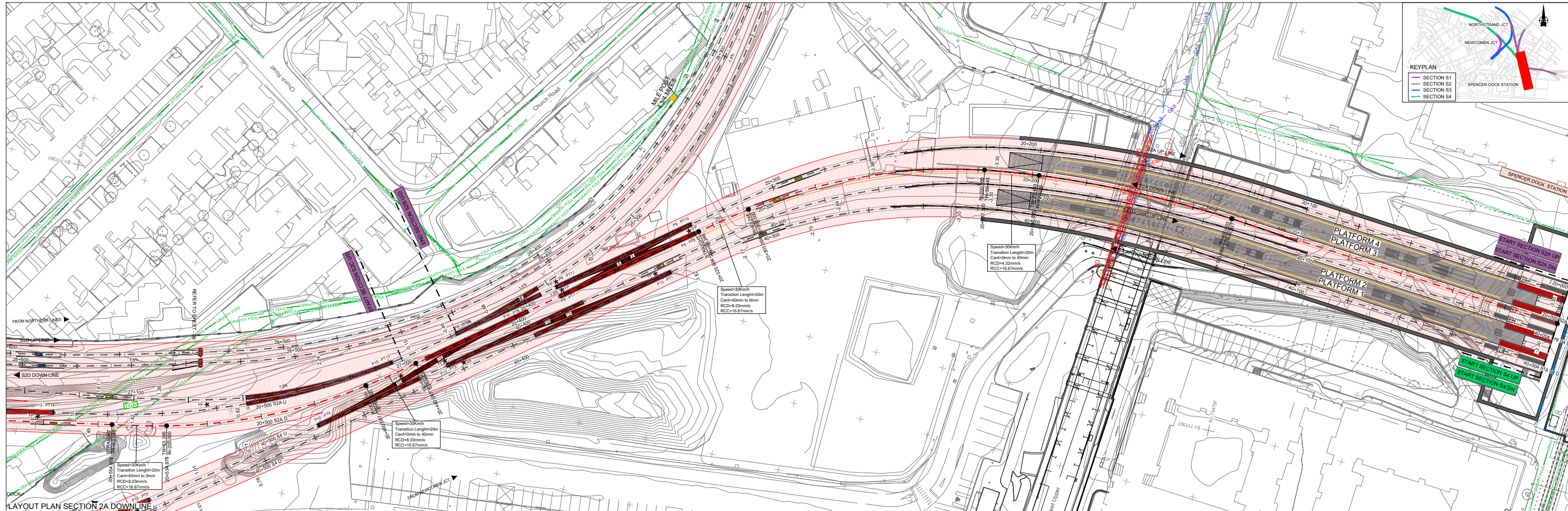
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2A UPLINE**

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

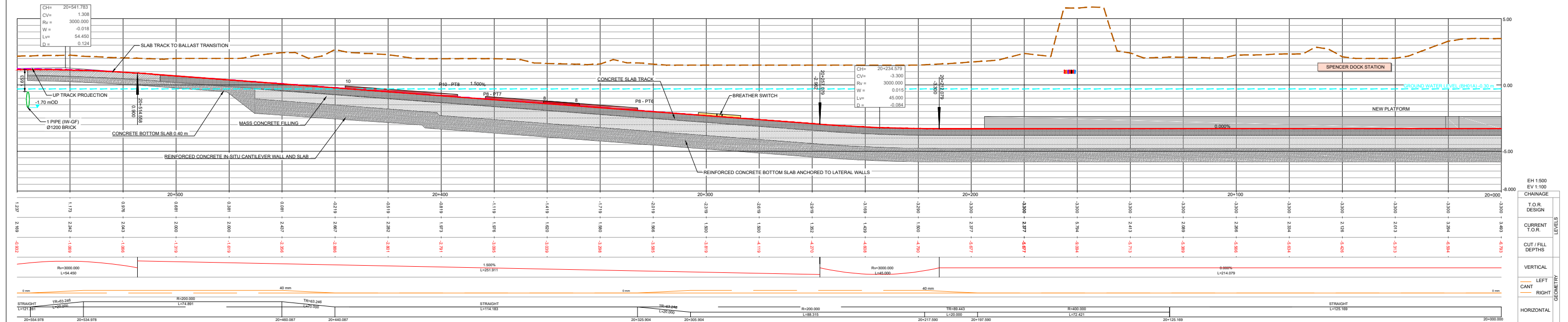
Drawing Number: **1** | Project: **1** | Originator: **1** | Discipline: **1** | Location: **1** | Type: **1** | Role: **1** | Number: **1** | Phase: **1**

Date: **April 2022** | Job No: **P1/101086** | Status: **F1-Approved & accepted** | Rev: **V01** | Sheet: **05** of **14**



ALIGNMENT LEGEND

10+000 XXX	EXISTING P&C	PROPOSED TRAP POINT	TRAP POINT TO BE REMOVED	STRUCTURES	WALLS AND FENCES	EXISTING UTILITIES	OTHER
10+000 XXX	PROPOSED P&C	PROPOSED BREATHING SWITCH	BREATHING SWITCH TO BE REMOVED	CBX XX	EXISTING FENCES	WM	TRACK LOWERING STRETCH
10+000 XXX	P&C TO BE REMOVED	EXISTING TRAP POINT	FOULING POINT	CBX XX	PROPOSED FENCES	EH	TRACK REALIGNMENT STRETCH
XX JCT	BUFFER STOP	EXISTING BREATHING SWITCH	EXISTING TGA	CBX XX	EXISTING/PROPOSED WALLS	GS	ESTIMATED OPW FLOODING AREAS
				CBX XX	SLAB TRACK/SLAB TRACK TRANSITION	TELECOMMUNICATION SERVICES	



LONGITUDINAL PROFILE SECTION S2A DOWNLINE

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client: **2040** (Transport for Ireland), **NTA** (National Transport Authority), **Irish Rail**

Consultant: **IDOM**, **JROD**

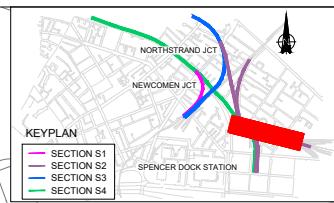
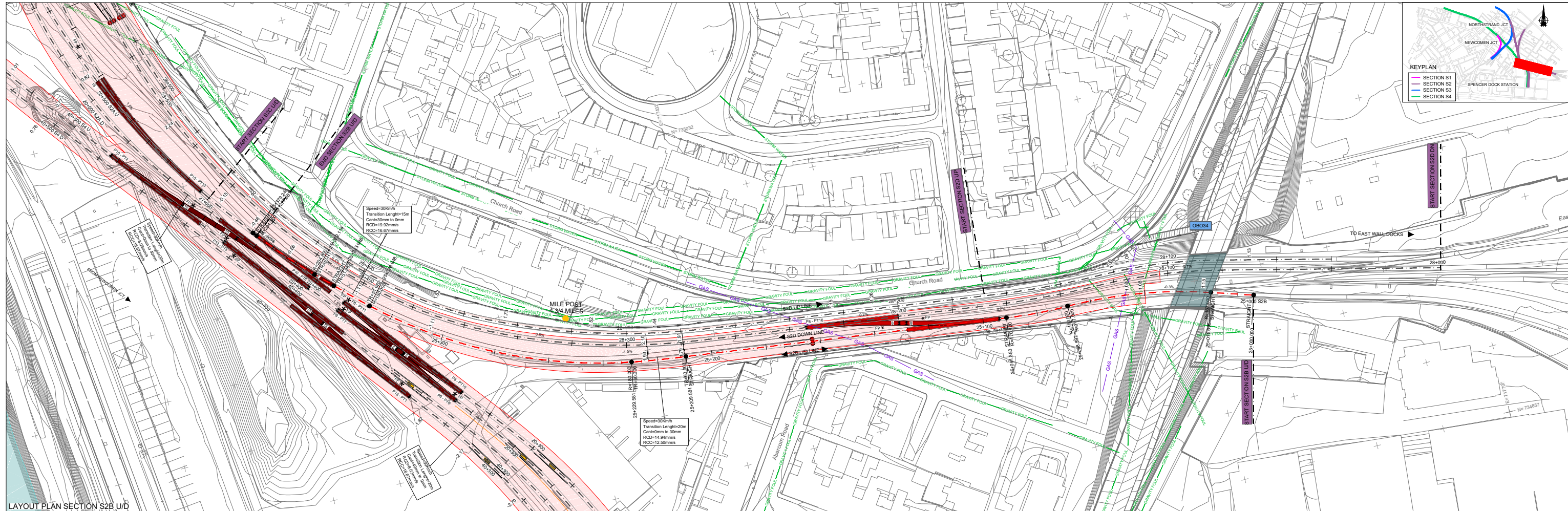
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2A DOWNLINE**

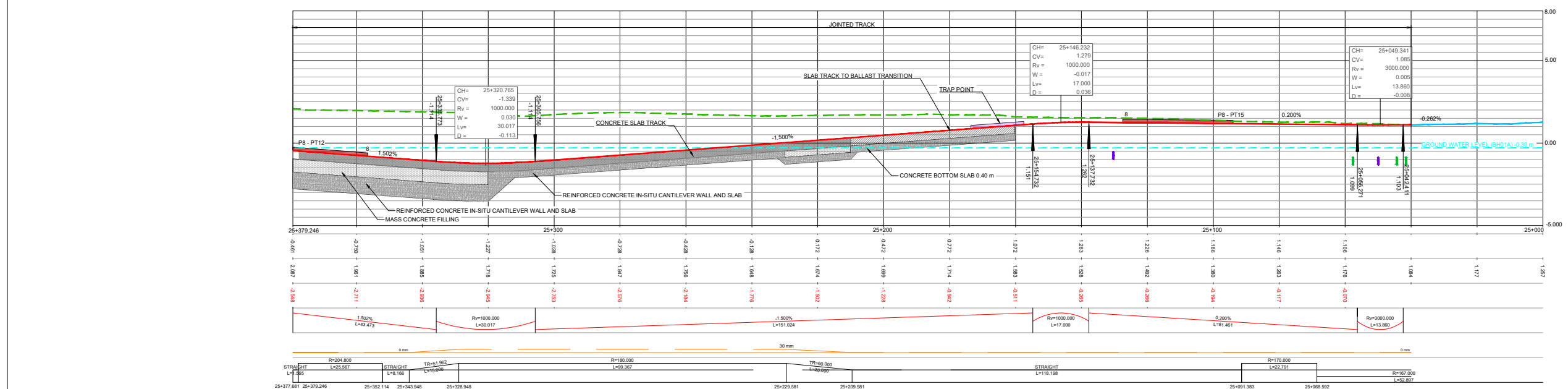
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Drawing Number: **1** | Project: **MAY MDC TRK SC00 DR C 0002 D** | Originator/ Discipline: **DR C** | Location: **DR C** | Type: **DR C** | Role: **DR C** | Number: **0002** | Phase: **D**

Date: **April 2022** | Job No: **P/101086** | Status: **F1-Approved & accepted** | Rev: **V01** | Sheet: **07 of 14**



ALIGNMENT LEGEND		EXISTING P&C		PROPOSED P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 10+000.500	MILES POST	---	---	---	---	---	---	---	---	CBX XX	EXISTING OVERBRIDGE	---	---	---	---	---	---
---	ACCUMULATIVE STATION POINTS	---	---	---	---	---	---	---	---	UBX XX	OVERBRIDGE REBUILD/LIFTING	---	---	---	---	---	---
---	RAIL CENTERLINES AND TRACKS	---	---	---	---	---	---	---	---	CBX XX	OVERBRIDGE/TO BE REMOVED	---	---	---	---	---	---
---	JUNCTIONS	---	---	---	---	---	---	---	---	CBX XX	PROPOSED OVERBRIDGE/ELC	---	---	---	---	---	---
---	EXISTING P&C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED P&C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED TRAP POINT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	TRAP POINT TO BE REMOVED	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	STRUCTURES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	WALLS AND FENCES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING UTILITIES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	OTHER	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



PROFILES LEGEND	
---	T.O.R. Design
---	Running Lines (no intervention)
---	Existing siding (no intervention)
---	Existing T.O.R. to be modified
---	Parallel Track Projection
---	Ground Level
---	Royal Canal
---	Overbridges
---	Station Platforms
---	Slab Track
---	Bottom Slab
---	Slab Track Transition
---	Existing Crossover/Turnout
---	Removed Crossover/Turnout
---	Proposed Crossover/Turnout
---	Proposed Trap point
---	Proposed Breather switch
---	Electrical Services OH
---	Electrical Services LV UG
---	Gas Services
---	IW Water Main
---	IW Water foul
---	Telecom Services

CHANGE	VS 1:500
T.O.R. DESIGN	VS 1:100
CURRENT T.O.R.	
CUT / FILL DEPTHS	
VERTICAL	
CANT	
HORIZONTAL	

LONGITUDINAL PROFILE SECTION S2B U/D

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY / REVIEWED BY / APPROVED BY					

Client: **2040** (The National Transport Authority)

Consultant: **IDOM**, **JROD**

Project: **Irish Rail**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2B U/D**

Drawing Number: **MAY MDC TRK SC00 DR C 0002 D**

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

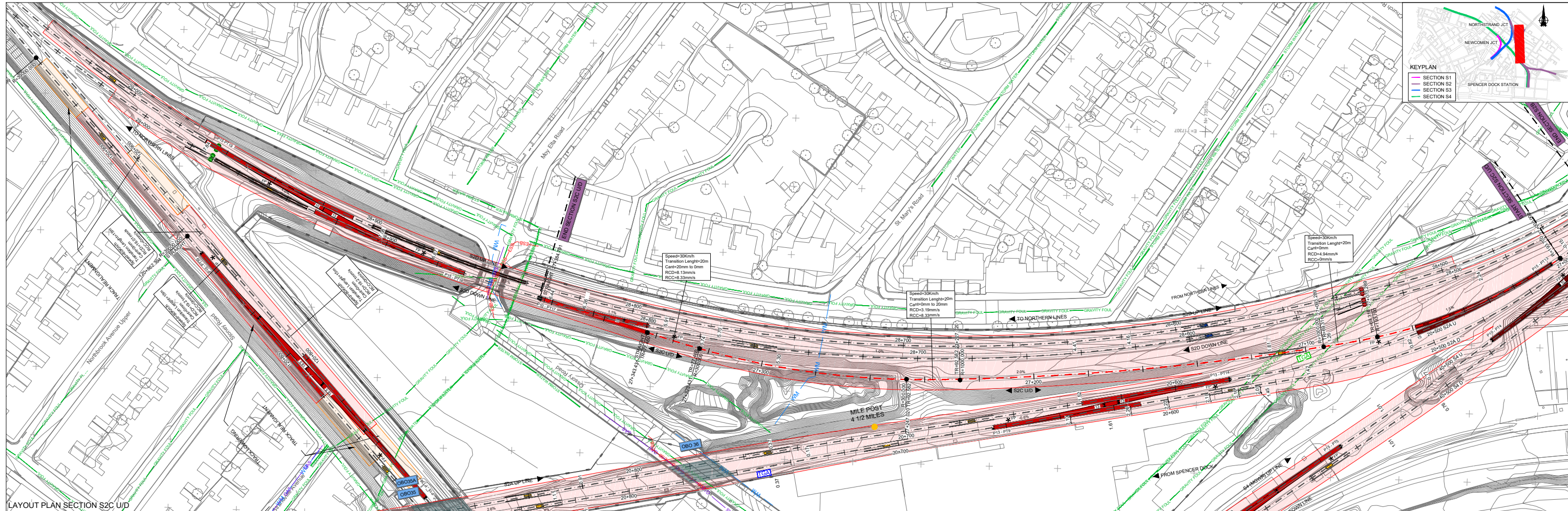
Date: **April 2022**

Job No: **P/101086**

Status: **F1-Approved & accepted**

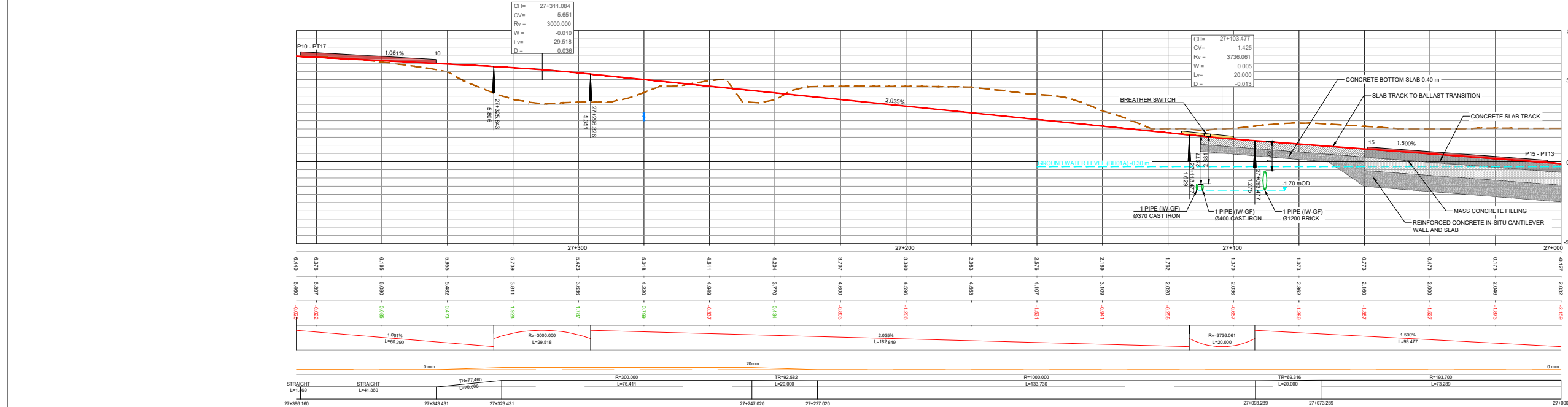
Rev: **V01**

Sheet: **09 of 14**



LAYOUT PLAN SECTION S2C U/D

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 33XX	ACCUMULATIVE STATION POINTS	EXISTING P&C	PROPOSED P&C	PROPOSED TRAP POINT	TRAP POINT TO BE REMOVED	EXISTING OVERBRIDGE	OVERBRIDGE TO BE REMOVED	EXISTING UNDERBRIDGE	PROPOSED UNDERBRIDGE	EXISTING FENCES	PROPOSED FENCES	WATER MAIN/GRAVITY FOUL	ELECTRICAL SERVICES OHUG	TRACK LOWERING STRETCH	TRACK REALIGNMENT STRETCH
XX JCT	JUNCTIONS	P&C TO BE REMOVED	PROPOSED BREATHING SWITCH	EXISTING BREATHING SWITCH	BREATHING SWITCH TO BE REMOVED	OVERBRIDGE/TO BE REMOVED	PROPOSED OVERBRIDGE/CTO	EXISTING STATIONS	PROPOSED STATIONS	EXISTING/PROPOSED WALLS	SLAB TRACK/SLAB TRACK TRANSITION	GAS SERVICES	TELECOMMUNICATION SERVICES	ESTIMATED OPW FLOODING AREAS	



LONGITUDINAL PROFILE SECTION S2C U/D

PROFILES LEGEND	
Red line	T.O.R. Design
Blue line	Running Lines (no intervention)
Green line	Existing siding (no intervention)
Yellow line	Existing T.O.R. to be modified
Purple line	Parallel Track Projection
Grey line	Ground Level
Blue line	Royal Canal
Blue line	Overbridges
Blue line	Station Platforms
Blue line	Slab Track
Blue line	Bottom Slab
Blue line	Slab Track Transition
Blue line	Existing Crossover/Turnout
Blue line	Removed Crossover/Turnout
Blue line	Proposed Crossover/Turnout
Blue line	Proposed Trap point
Blue line	Proposed Breathing switch
Blue line	Electrical Services OH
Blue line	Electrical Services LV LG
Blue line	Gas Services
Blue line	IW Water Main
Blue line	IW Water foul
Blue line	Telecom Services

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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REV	DATE	PLANNING ISSUE	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client: **2040** (Transport for Europe)

Consultant: **IDOM**, **NTA** (National Transport Authority), **lamróid Éireann Irish Rail**, **JROD**

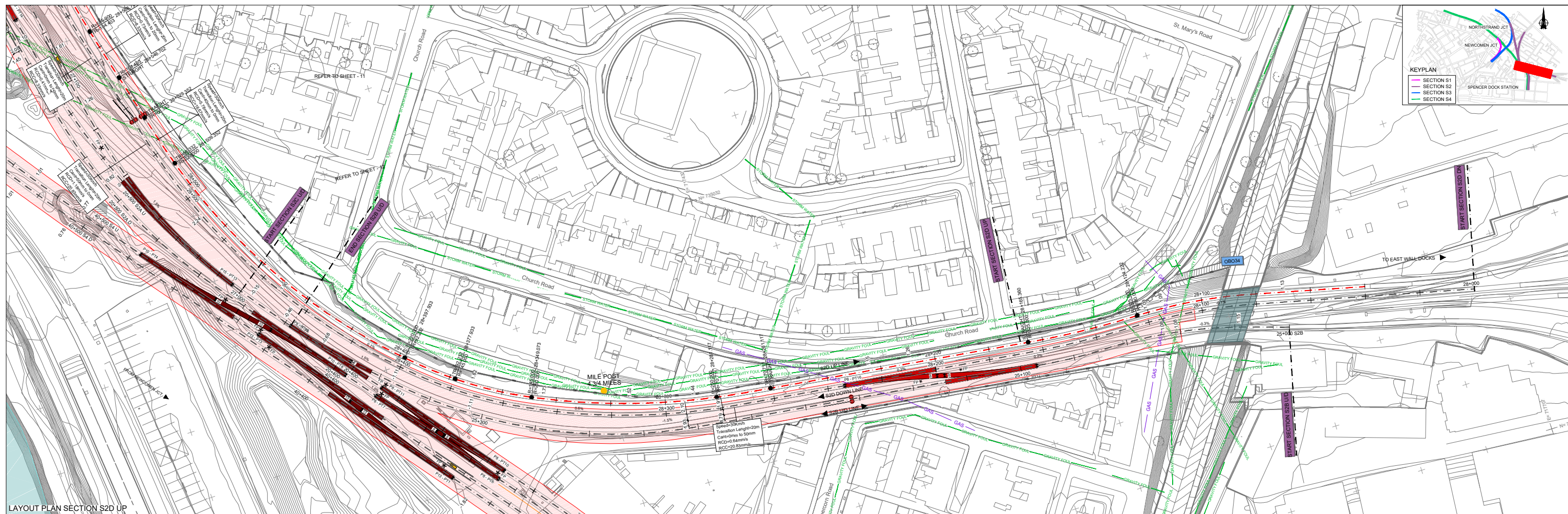
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK - ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2C U/D**

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

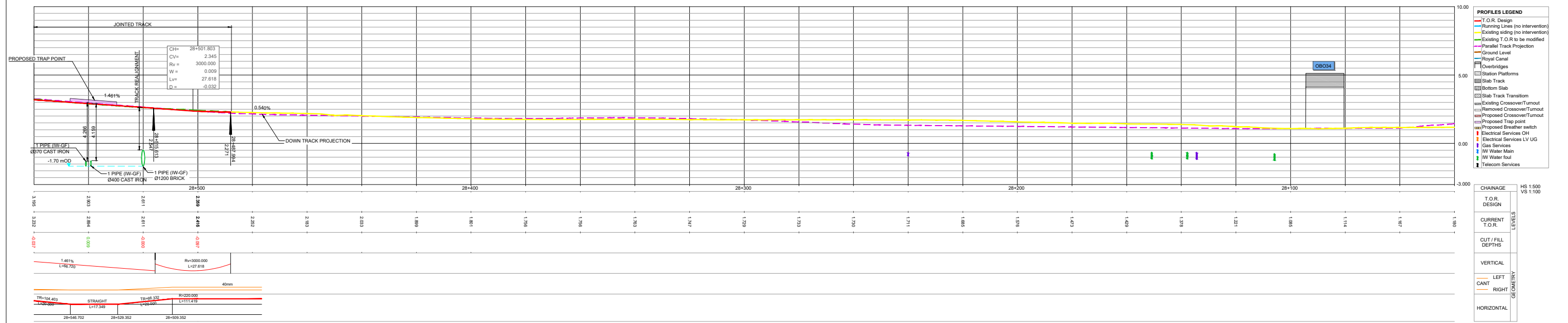
Drawing Number: 1 | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 | Job No: P1101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 10 of 14



LAYOUT PLAN SECTION S2D UP

ALIGNMENT LEGEND		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
	MILES POST		EXISTING P&C		EXISTING OVERBRIDGE		EXISTING FENCES		WATER MAIN/GRAVITY FOUL
	ACCUMULATIVE STATION POINTS		PROPOSED P&C		OVERBRIDGE REBUILD/LIFTING		PROPOSED FENCES		ELECTRICAL SERVICES OHUG
	RAIL CENTERLINES AND TRACKS		P&C TO BE REMOVED		OVERBRIDGE/CLCTO TO BE REMOVED		EXISTING/PROPOSED WALLS		GAS SERVICES
	JUNCTIONS		BUFFER STOP		PROPOSED OVERBRIDGE/CL		SLAB TRACK/SLAB TRACK TRANSITION		TELECOMMUNICATION SERVICES
	PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		EXISTING UNDERBRIDGE		TRACK LOWERING STRETCH		TRACK REALIGNMENT STRETCH
	PROPOSED BREATHER SWITCH		BREATHER SWITCH TO BE REMOVED		EXISTING STATIONS		ESTIMATED OPW FLOODING AREAS		
	EXISTING TRAP POINT		FOULING POINT						
	EXISTING BREATHER SWITCH		EXISTING TGA						



LONGITUDINAL PROFILE SECTION S2D UP

NOTES

- DRAWING ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. HOWEVER, FOR THIS STAGE OF THE DESIGN, ONLY THE DOWN ALIGNMENT HAS BEEN PRODUCED FOR MOST TRACKS, AND THE UP ALIGNMENT WILL BE PROVIDED AT A LATER STAGE. IN OTHER CASES, DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
- 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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

PRODUCED BY: [Signature] REVIEWED BY: [Signature] APPROVED BY: [Signature]

Client:

Consultant:

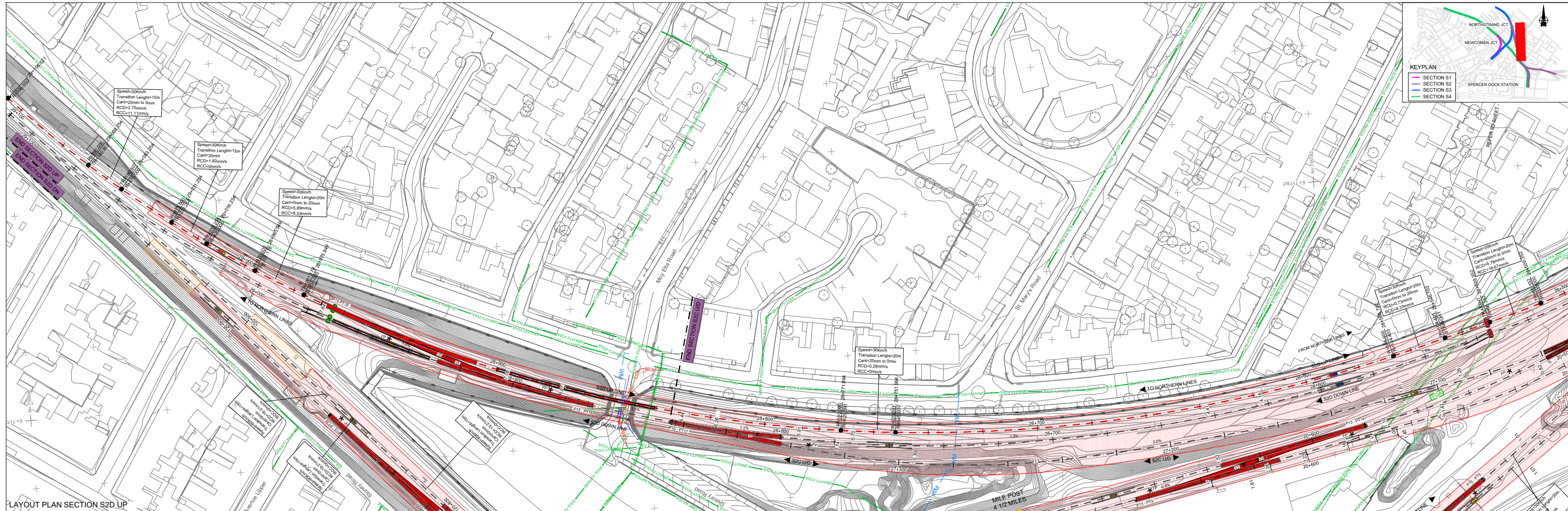
Project:

Drawing Title: PERMANENT WAY DESIGN
SPENCER DOCK, ALIGNMENT AND PROFILES
SPENCER DOCK STATION - SECTION S2D UP

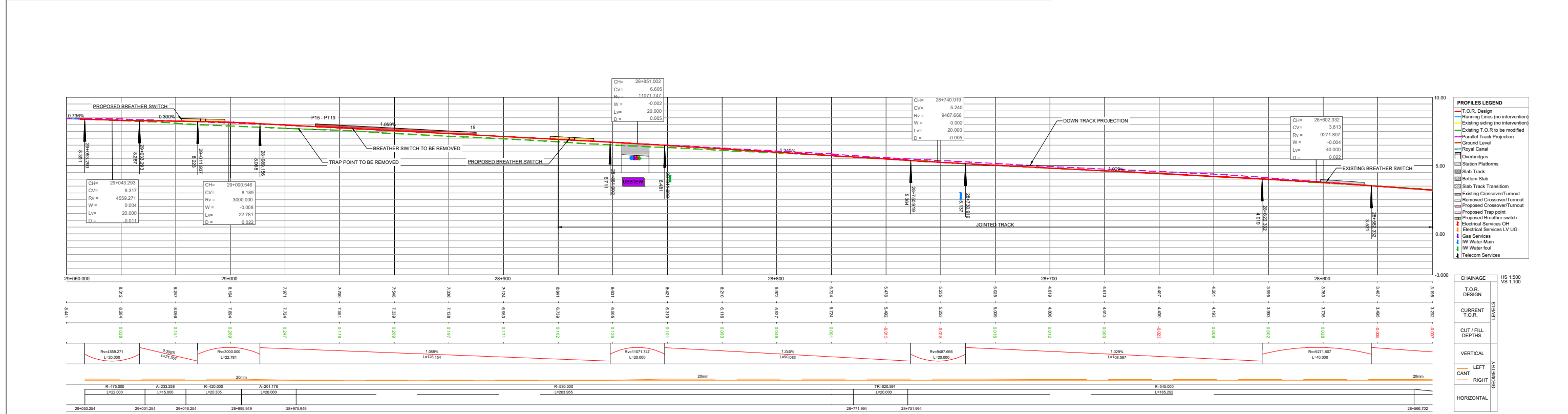
Scale: 1:1000 @ A1 1:2000 @ A3

Drawing Number: 1 | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 | Job No: P1/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 11 of 14



ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	MILES POST	---	EXISTING P&C	---	PROPOSED TRAP POINT	OBX XX	EXISTING OVERBRIDGE	---	EXISTING FENCES	---	WATER MAIN/GRAVITY FOUL	---	TRACK LOWERING STRETCH
---	ACCUMULATIVE STATION POINTS	---	PROPOSED P&C	---	PROPOSED BREATHING SWITCH	UBX XX	OVERBRIDGE REBUILD/LIFTING	---	PROPOSED FENCES	---	ELECTRICAL SERVICES OHUG	---	TRACK REALIGNMENT STRETCH
---	RAIL CENTERLINES AND TRACKS	---	P&C TO BE REMOVED	---	EXISTING TRAP POINT	CSX XX	OVERBRIDGE/CTO TO BE REMOVED	---	EXISTING/PROPOSED WALLS	---	GAS SERVICES	---	ESTIMATED OPW FLOODING AREAS
XX JCT	JUNCTIONS	---	BUFFER STOP	---	EXISTING BREATHING SWITCH	CSX XX	PROPOSED OVERBRIDGE/CTO	---	SLAB TRACK/SLAB TRACK TRANSITION	---	TELECOMMUNICATION SERVICES	---	



CHAINAGE	VS 1:100
29+000.000	3.812
29+005.000	3.812
29+010.000	3.812
29+015.000	3.812
29+020.000	3.812
29+025.000	3.812
29+030.000	3.812
29+035.000	3.812
29+040.000	3.812
29+045.000	3.812
29+050.000	3.812
29+055.000	3.812
29+060.000	3.812

NOTES

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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
01	April 2022	PLANNING ISSUE			

PRODUCED BY: [Name] REVIEWED BY: [Name]

Client: **2040**, **NTA**, **Irish Rail**

Consultant: **IDOM**, **JROD**

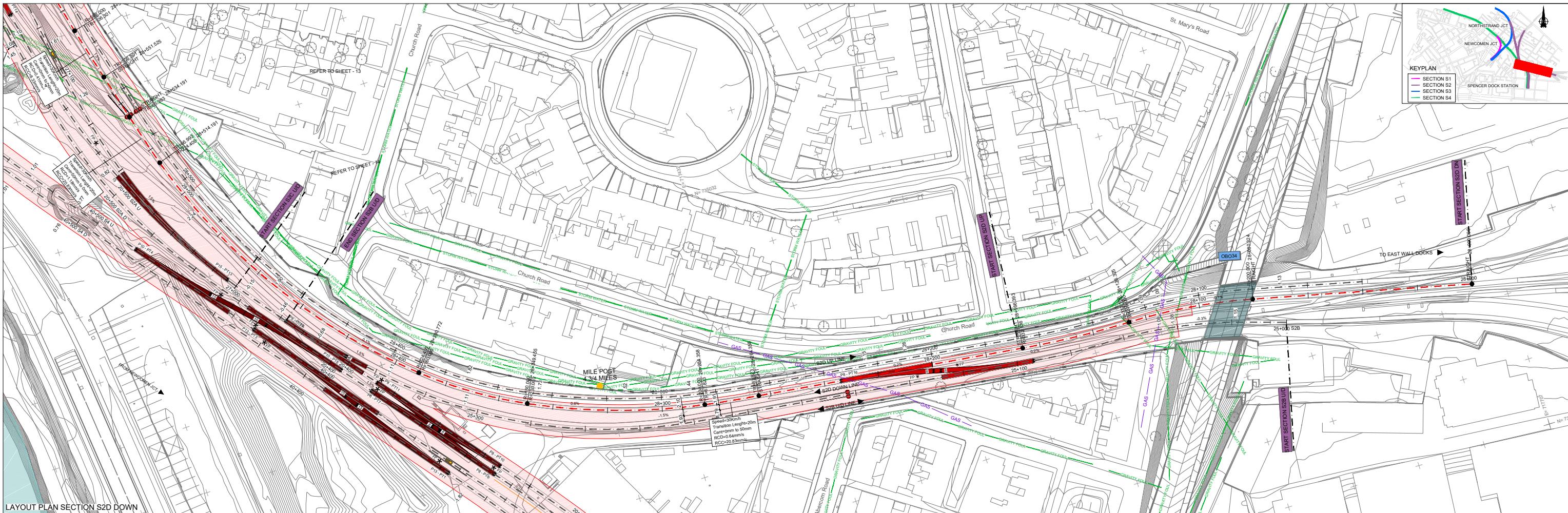
Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2D UP**

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

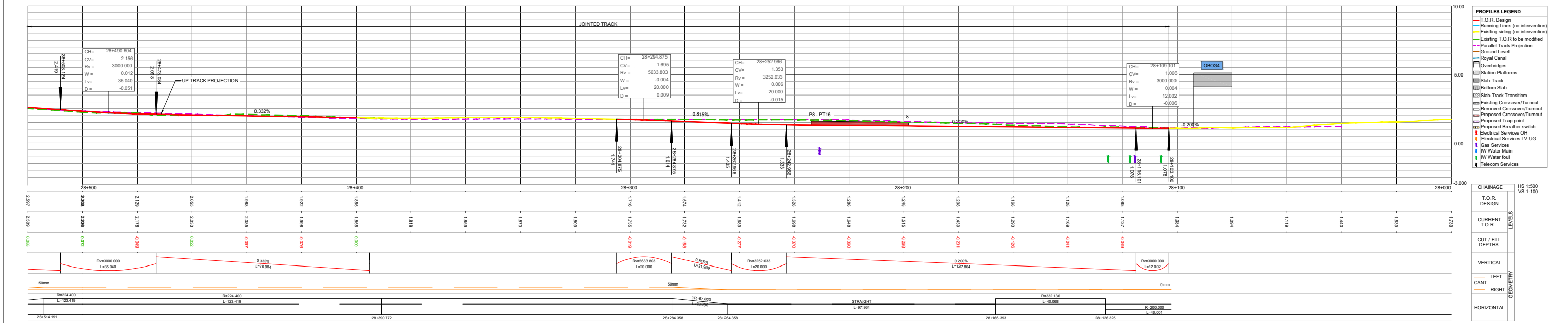
Drawing Number: 1 | Project | Originator | Discipline | Location | Type | Role | Number | Phase

Date: April 2022 Job No: P101086 Status: F1-Approved & accepted Rev: V01 Sheet: 12 of 14



LAYOUT PLAN SECTION S2D DOWN

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
	MILES POST		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		EXISTING OVERBRIDGE		EXISTING FENCES		WATER MAIN/GRAVITY FOUL		TRACK LOWERING STRETCH
	ACCUMULATIVE STATION POINTS		PROPOSED P&C		PROPOSED BREATHER SWITCH		BREATHER SWITCH TO BE REMOVED		OVERBRIDGE REBUILDING/LIFTING		PROPOSING FENCES		ELECTRICAL SERVICES OHUG		TRACK REALIGNMENT STRETCH
	RAIL CENTERLINES AND TRACKS		P&C TO BE REMOVED		EXISTING TRAP POINT		FOULING POINT		OVERBRIDGE TO BE REMOVED		EXISTING/PROPOSED WALLS		GAS SERVICES		ESTIMATED OPW FLOODING AREAS
	JUNCTIONS		BUFFER STOP		EXISTING BREATHER SWITCH		EXISTING TGA		PROPOSED OVERBRIDGE/GC		SLAB TRACK/SLAB TRACK TRANSITION		TELECOMMUNICATION SERVICES		



LONGITUDINAL PROFILE SECTION S2D DOWN

NOTES

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REV	DATE	DESCRIPTION	SDR	MRI	CCH
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PRODUCED BY			REVIEWED BY		

Client:

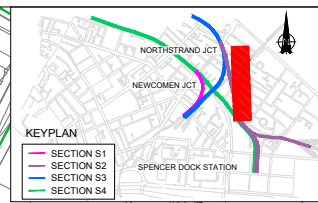
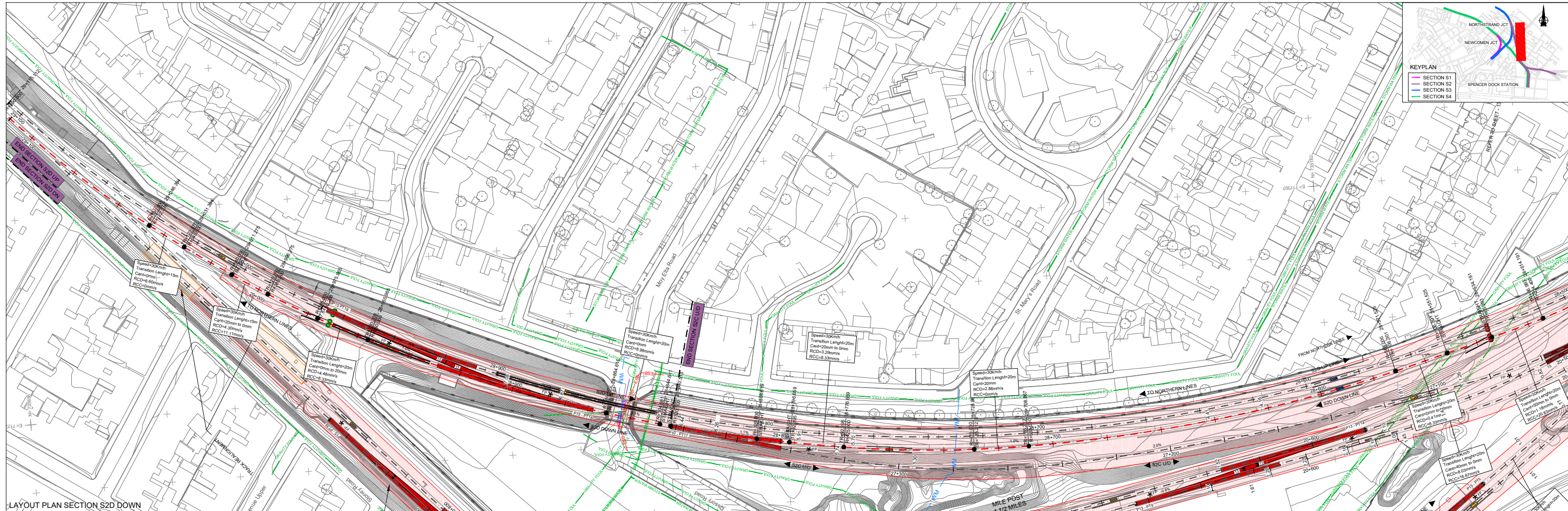
Project:

Drawing Title: PERMANENT WAY DESIGN
SPENCER DOCK, ALIGNMENT AND PROFILES
SPENCER DOCK STATION - SECTION S2D DOWN

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

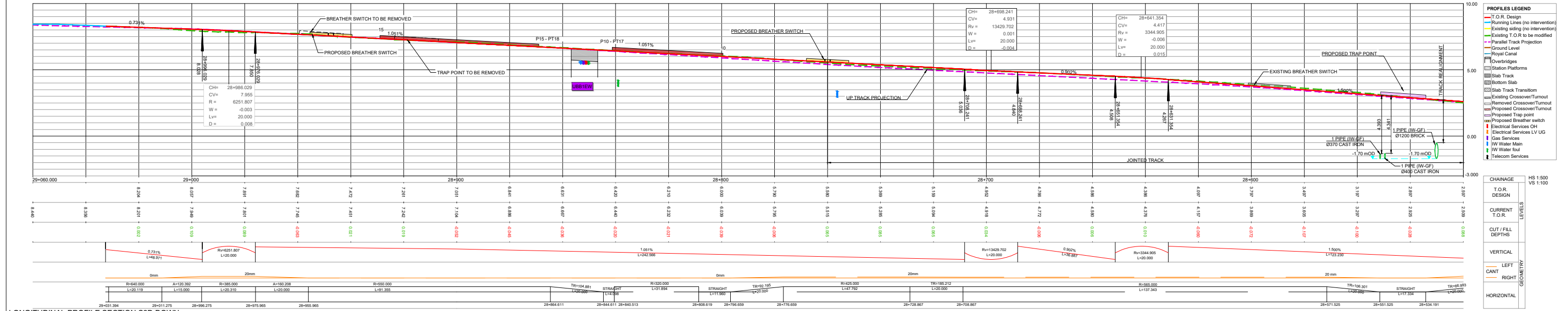
Drawing Number: MAY MDC TRK SC00 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 13 of 14



LAYOUT PLAN SECTION S2D DOWN

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED P&C		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 SXX	MILES POST	---	---	---	---	OBX XX	EXISTING OVERBRIDGE	---	---	---	---	---	---
---	ACCUMULATIVE STATION POINTS	---	---	---	---	UBX XX	OVERBRIDGE REBUILD/LIFTING	---	---	---	---	---	---
---	RAIL CENTERLINES AND TRACKS	---	---	---	---	---	---	---	---	---	---	---	---
XX.JCT	JUNCTIONS	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING P&C	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED P&C	---	---	---	---	---	---	---	---	---	---	---	---
---	P&C TO BE REMOVED	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED TRAP POINT	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED BREATHING SWITCH	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING TRAP POINT	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING BREATHING SWITCH	---	---	---	---	---	---	---	---	---	---	---	---
---	FOULING POINT	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING TGA	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING UNDERBRIDGE	---	---	---	---	---	---	---	---	---	---	---	---
---	PROPOSED UNDERBRIDGE	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING STATIONS	---	---	---	---	---	---	---	---	---	---	---	---
---	EXISTING PROPOSED WALLS	---	---	---	---	---	---	---	---	---	---	---	---
---	SLAB TRACK/SLAB TRACK TRANSITION	---	---	---	---	---	---	---	---	---	---	---	---
---	WATER MAIN/GRAVITY FOUL	---	---	---	---	---	---	---	---	---	---	---	---
---	ELECTRICAL SERVICES OH/UG	---	---	---	---	---	---	---	---	---	---	---	---
---	GAS SERVICES	---	---	---	---	---	---	---	---	---	---	---	---
---	TELECOMMUNICATION SERVICES	---	---	---	---	---	---	---	---	---	---	---	---
---	TRACK LOWERING STRETCH	---	---	---	---	---	---	---	---	---	---	---	---
---	TRACK REALIGNMENT STRETCH	---	---	---	---	---	---	---	---	---	---	---	---
---	ESTIMATED OPW FLOODING AREAS	---	---	---	---	---	---	---	---	---	---	---	---



LONGITUDINAL PROFILE SECTION S2D DOWN

PROFILES LEGEND	
---	T.O.R. Design
---	Planning Lines (no intervention)
---	Existing siding (no intervention)
---	Existing T.O.R. to be modified
---	Parallel Track Projection
---	Ground Level
---	Royal Canal
---	Overbridges
---	Station Platforms
---	Slab Track
---	Bottom Slab
---	Slab Track Transition
---	Existing Crossover/Turnout
---	Proposed Crossover/Turnout
---	Proposed Crossover/Turnout
---	Proposed Breather switch
---	Proposed Trap point
---	Proposed Breather switch
---	Electrical Services LV UG
---	Gas Services
---	IW Water Main
---	IW Water foul
---	Telecom Services

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V01	April 2022	PLANNING ISSUE			
PRODUCED BY/REVIEWED BY/APPROVED BY					

Client: **2040** (The National Transport Authority)

Consultant: **IDOM**, **NTA** (National Transport Authority), **lamróid Éireann Irish Rail**, **JROD**

Project: **DART+ West**

Drawing Title: **PERMANENT WAY DESIGN SPENCER DOCK, ALIGNMENT AND PROFILES SPENCER DOCK STATION - SECTION S2D DOWN**

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

Drawing Number: **1** | Project | Originator | Discipline | Location | Type | Role | Number | Phase

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