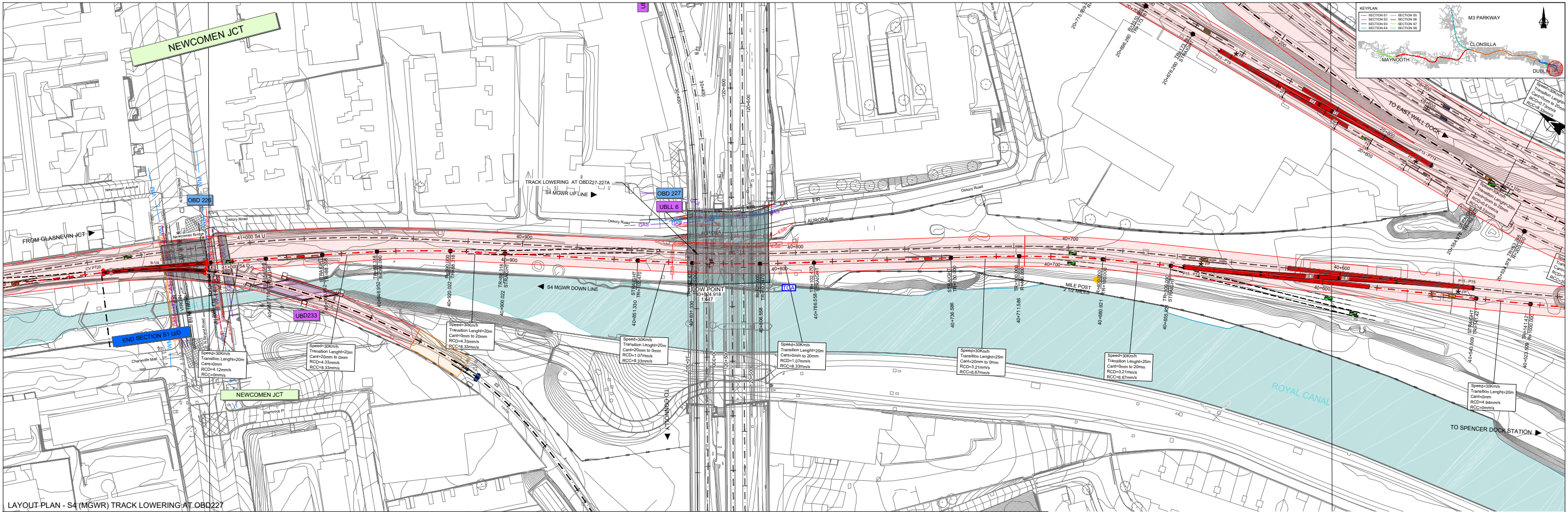
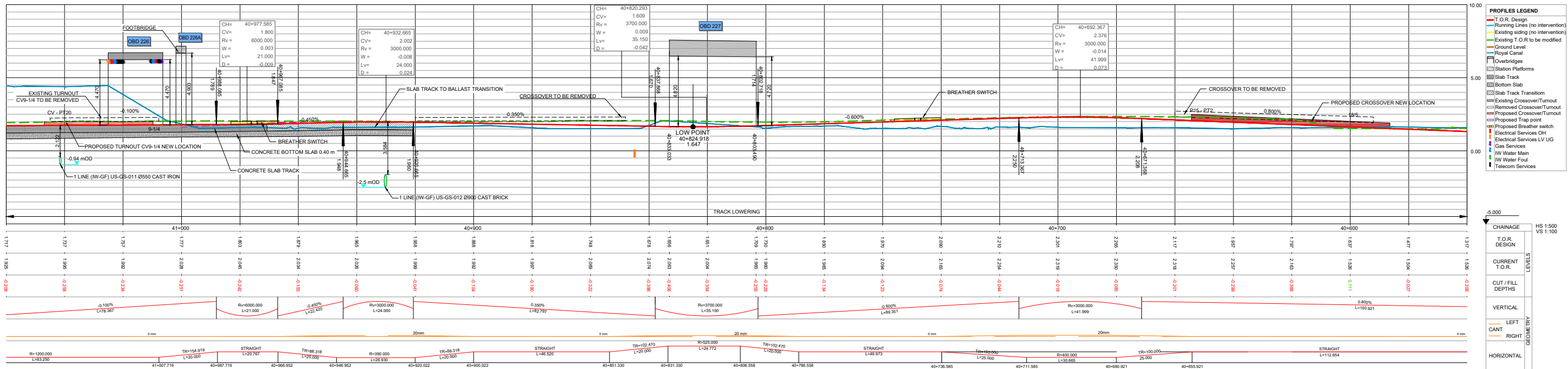




LAYOUT PLAN - S4 (MGWR) TRACK LOWERING AT OBD227

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

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V01	April 2022	PLANNING ISSUE			
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Client

Consultant

Project

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

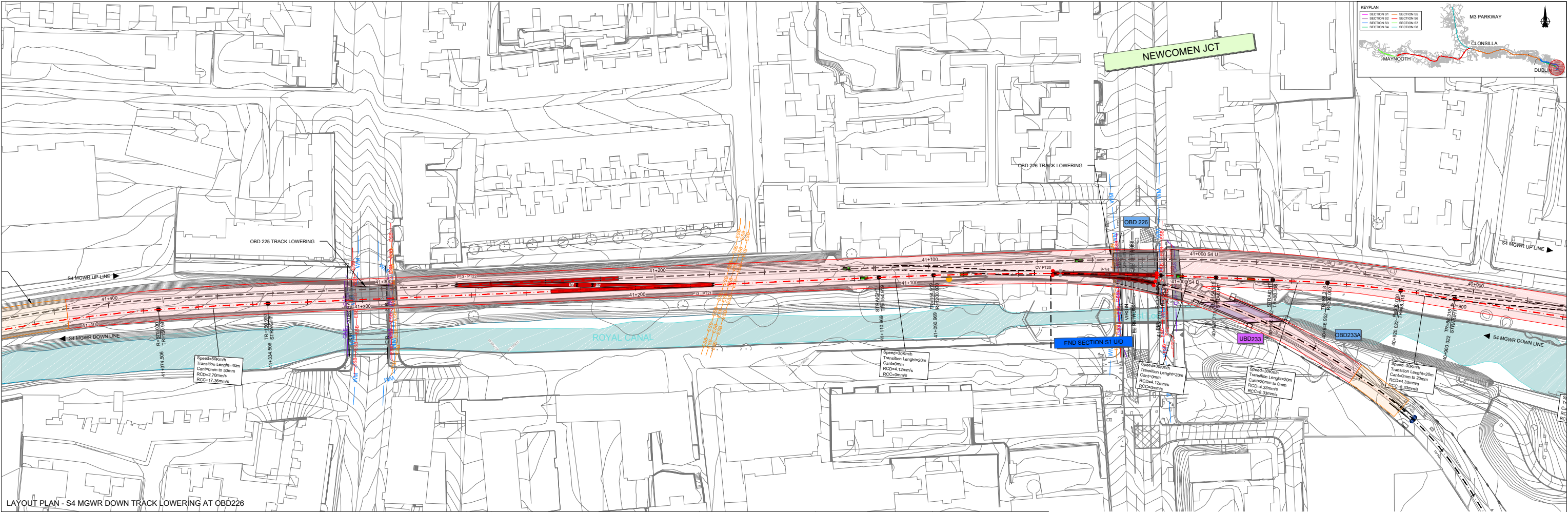
Drawing Number: 1

Job No: P101086

Status: F1-Approved & accepted

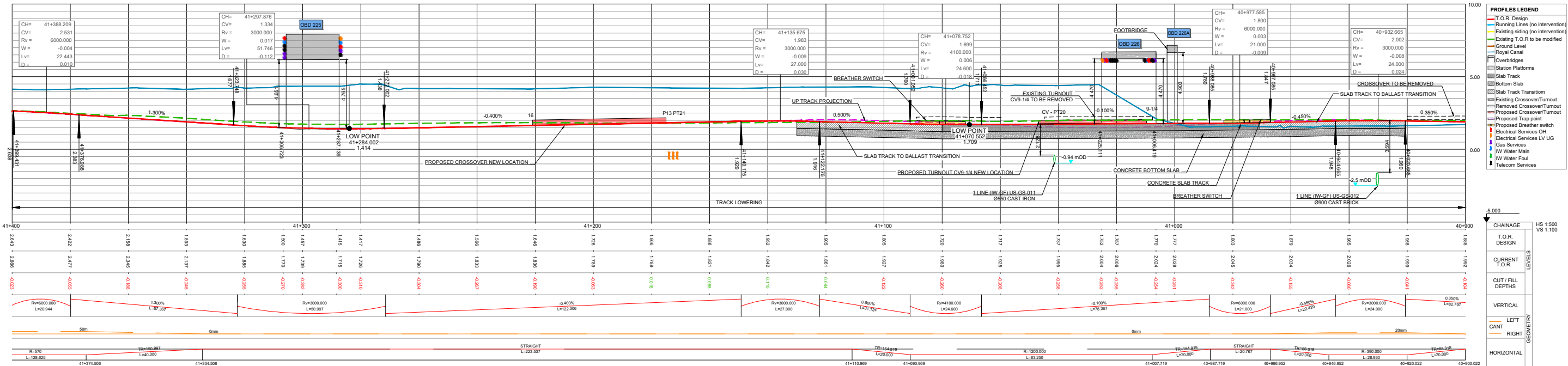
Rev: V01

Sheet: 01 of 10



LAYOUT PLAN - S4 MGWR DOWN TRACK LOWERING AT OBD226

ALIGNMENT LEGEND		EXISTING P&C		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		STRUCTURES		WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 500	MILES POST	EXISTING P&C	PROPOSED P&C	PROPOSED TRAP POINT	PROPOSED BREATHING SWITCH	BREATHING SWITCH TO BE REMOVED	FOULING POINT	EXISTING OVERBRIDGE	EXISTING UNDERBRIDGE	EXISTING FENCES	PROPOSED FENCES	WATER MAIN/GRAVITY FOUL	TRACK LOWERING STRETCH	TRACK REALIGNMENT STRETCH	ESTIMATED OPW FLOODING AREAS
XX JCT	JUNCTIONS	P&C TO BE REMOVED	EXISTING TRAP POINT	EXISTING BREATHING SWITCH	EXISTING TGA	PROPOSED OVERBRIDGE/CTO	PROPOSED UNDERBRIDGE	EXISTING UNDERBRIDGE	EXISTING STATIONS	EXISTING/PROPOSED WALLS	SLAB TRACK/SLAB TRACK TRANSITION	ELECTRICAL SERVICES OH/UG	GAS SERVICES	TELECOMMUNICATION SERVICES	



LONGITUDINAL PROFILES - S4 MGWR DOWN TRACK LOWERING AT OBD226

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 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.

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			
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Client

Consultant

2040

NTA

lanmrod Éireann Irish Rail

idom

PROJ

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN

SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR) ALIGNMENT AND PROFILES

OBD226 TRACK LOWERING - DOWN TRACK

Drawing Number

Project

May MDC TRK SC04 DR C 0002 D

Scale:

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

Date:

April 2022

Job No:

P101086

Status:

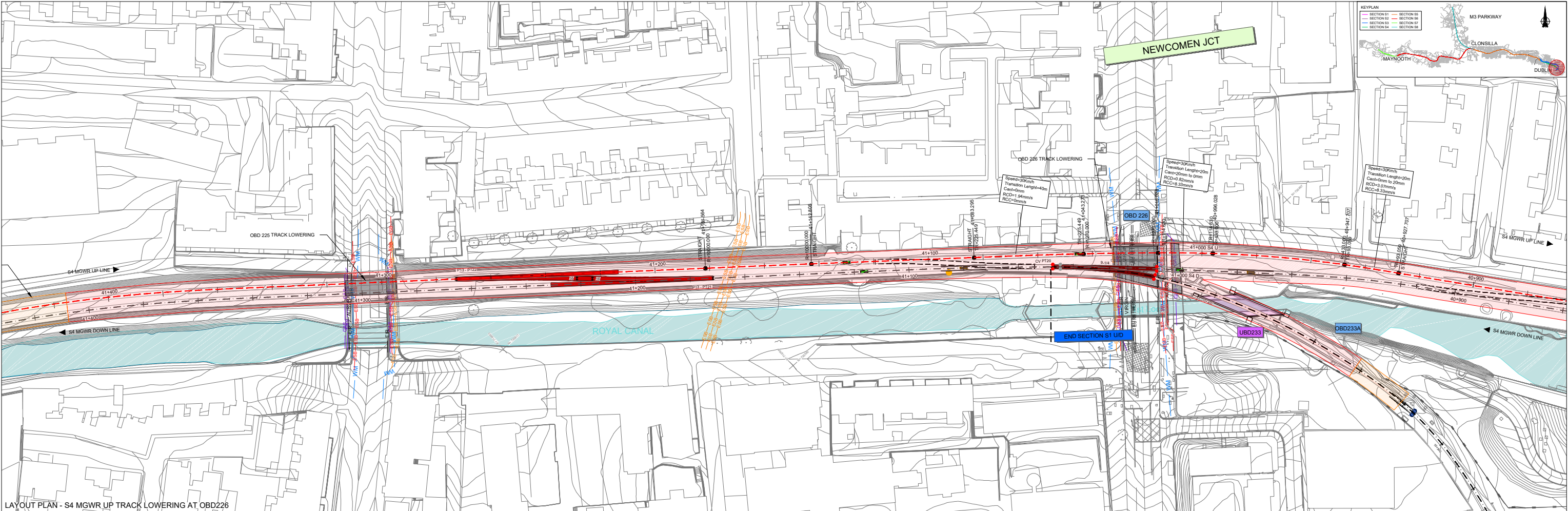
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Rev:

V01

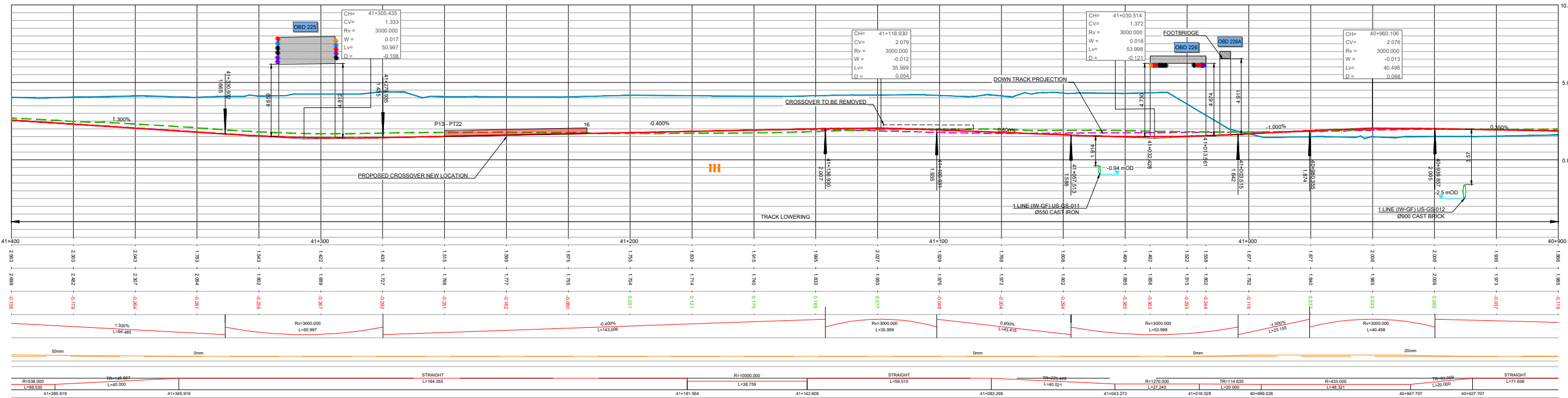
Sheet:

02 of 10



LAYOUT PLAN - S4 MGWR UP TRACK LOWERING AT OBD226

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



LONGITUDINAL PROFILES - S4 MGWR UP TRACK LOWERING AT OBD226

NOTES

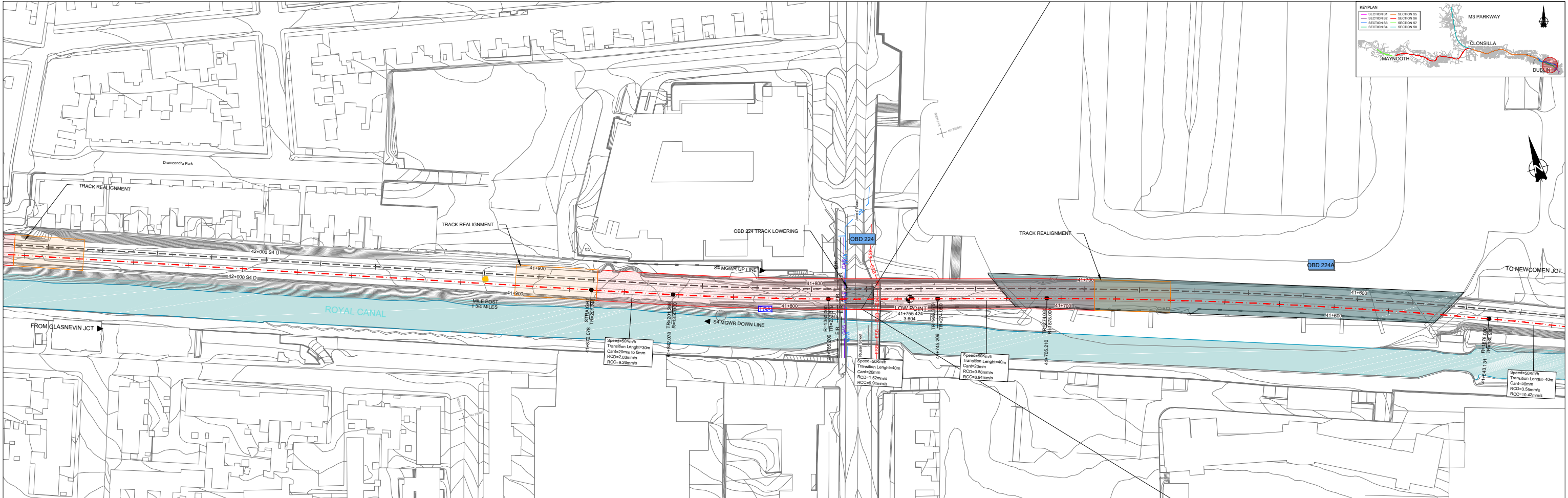
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REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client			
Consultant			

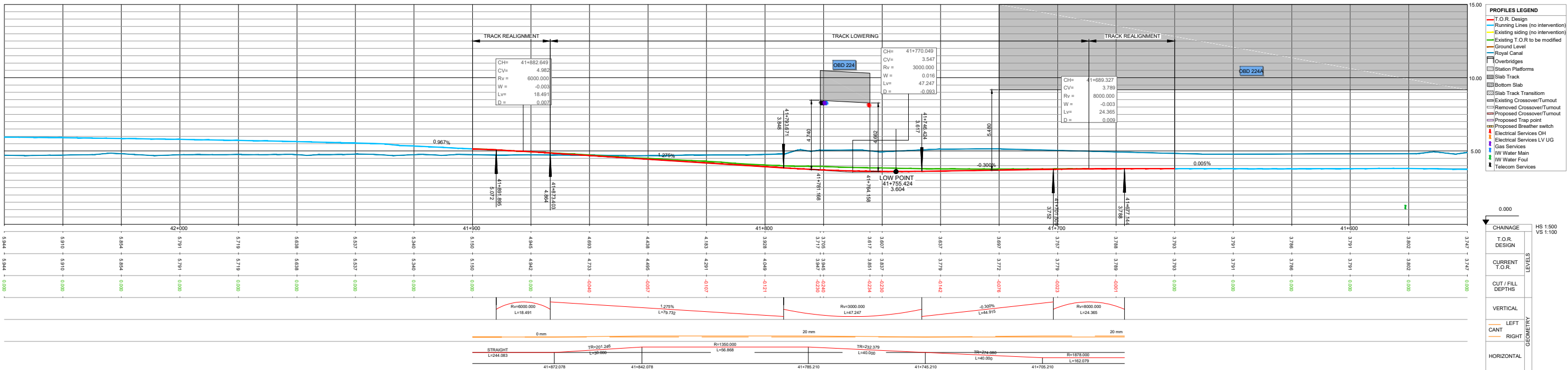
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Drawing Title	PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES OBD226 TRACK LOWERING - UP TRACK			
Scale:	1:500 @ A1-XL 1:1000 @ A3	Drawing Number	1	Project Originator Discipline Location Type Role Number Phase
			MAY	MDC TRK SC04 DR C 0002 D
Date:	April 2022	Job No:	P/101086	Status: F1-Approved & accepted
		Rev:	V01	Sheet: 03 of 10



LAYOUT PLAN - S4 (MGWR) TRACK LOWERING AT OBD224

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

Client

Consultant

2040

NTA

Irish Rail

idom

JROD

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES
OBD224 TRACK LOWERING

Drawing Number

Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY MDC TRK SC04 DR C 0002 D

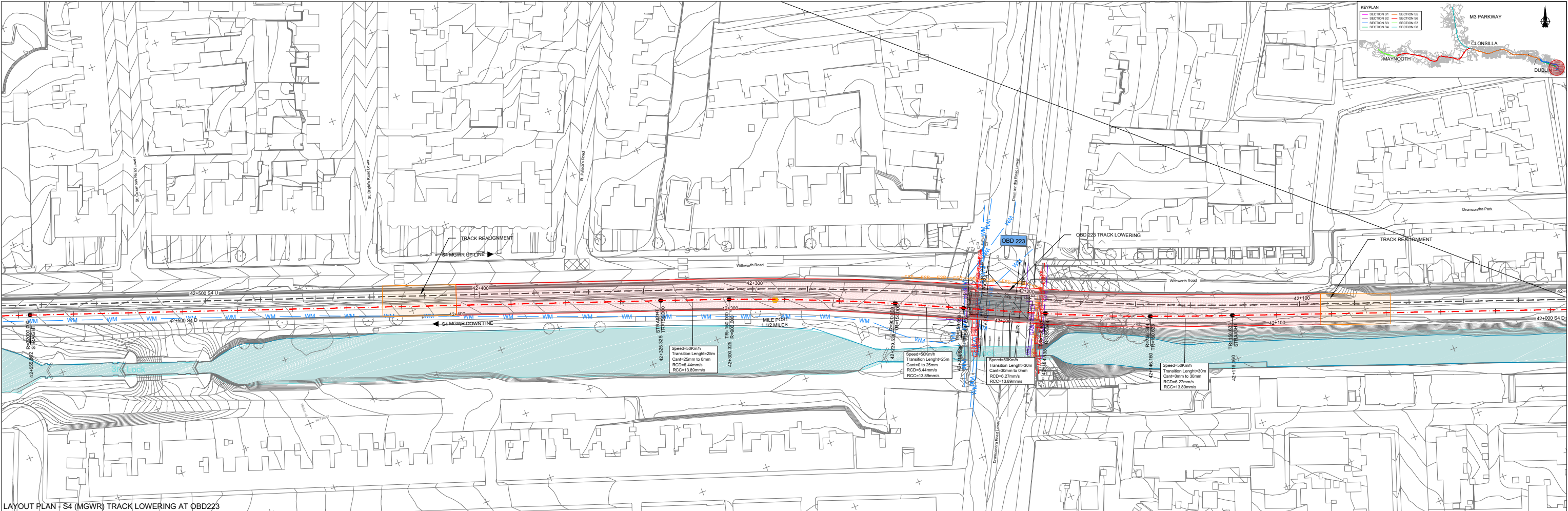
Date: April 2022

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 10+000 10+000	MILES POST	10+000 10+000 10+000	ACCUMULATIVE STATION POINTS	10+000 10+000 10+000	PROPOSED P&C	10+000 10+000 10+000	EXISTING P&C	10+000 10+000 10+000	PROPOSED TRAP POINT	10+000 10+000 10+000	PROPOSED TRAP POINT	10+000 10+000 10+000	PROPOSED TRAP POINT	10+000 10+000 10+000	PROPOSED TRAP POINT
10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS	10+000 10+000 10+000	RAIL CENTERLINES AND TRACKS
10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS	10+000 10+000 10+000	JUNCTIONS



LONGITUDINAL PROFILES - S4 MGWR TRACK LOWERING AT OBD223

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

Consultant

2040

NTA

lanmrod Éireann Irish Rail

DART+ West

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN

SPENCER DOCK TO GLASNEED JUNCTION (MGWR), ALIGNMENT AND PROFILES

OBD223 TRACK LOWERING

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

Drawing Number

Project

May MDC TRK SC04 DR C 0002 D

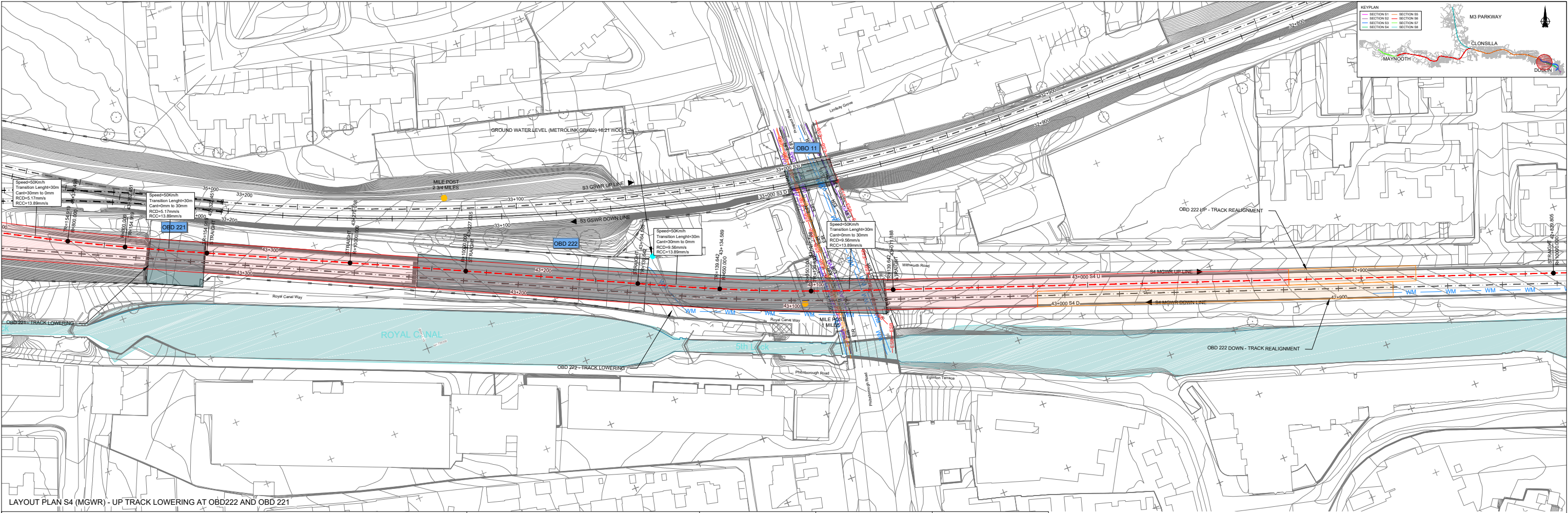
Date: April 2022

Job No: P101086

Status: F1-Approved & accepted

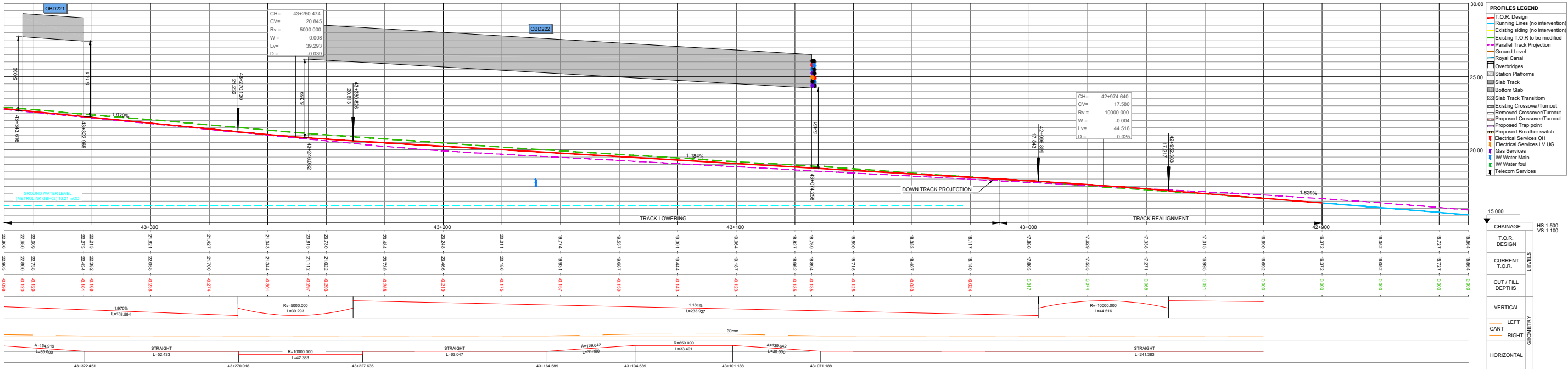
Rev: V01

Sheet: 06 of 10



LAYOUT PLAN S4 (MGWR) - UP TRACK LOWERING AT OBD222 AND OBD 221

ALIGNMENT LEGEND				STRUCTURES				WALLS AND FENCES		EXISTING UTILITIES		OTHER	
	MILES POST		ACCUMULATIVE STATION POINTS		PROPOSED P&C		P&C TO BE REMOVED		PROPOSED TRAP POINT		TRAP POINT TO BE REMOVED		PROPOSED BREATHER SWITCH
	RAIL CENTERLINES AND TRACKS		P&C TO BE REMOVED		EXISTING TRAP POINT		EXISTING BREATHER SWITCH		EXISTING TGA		EXISTING UNDERBRIDGE		TRACK LOWERING STRETCH
	JUNCTIONS		BUFFER STOP		EXISTING TGA		EXISTING UNDERBRIDGE		TRACK LOWERING STRETCH		TRACK REALIGNMENT STRETCH		ESTIMATED OPW FLOODING AREAS



LONGITUDINAL PROFILE S4 (MGWR) - UP TRACK LOWERING AT OBD222 AND OBD 221

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

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V01	April 2022	PLANNING ISSUE			

Client

Consultant

2040

NTA

Irish Rail

idom

JROD

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES
OBD222 - OBD221 TRACK LOWERING - UP TRACK

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

Drawing Number 1

Project MAY MDC TRK SC04 DR C 0002 D

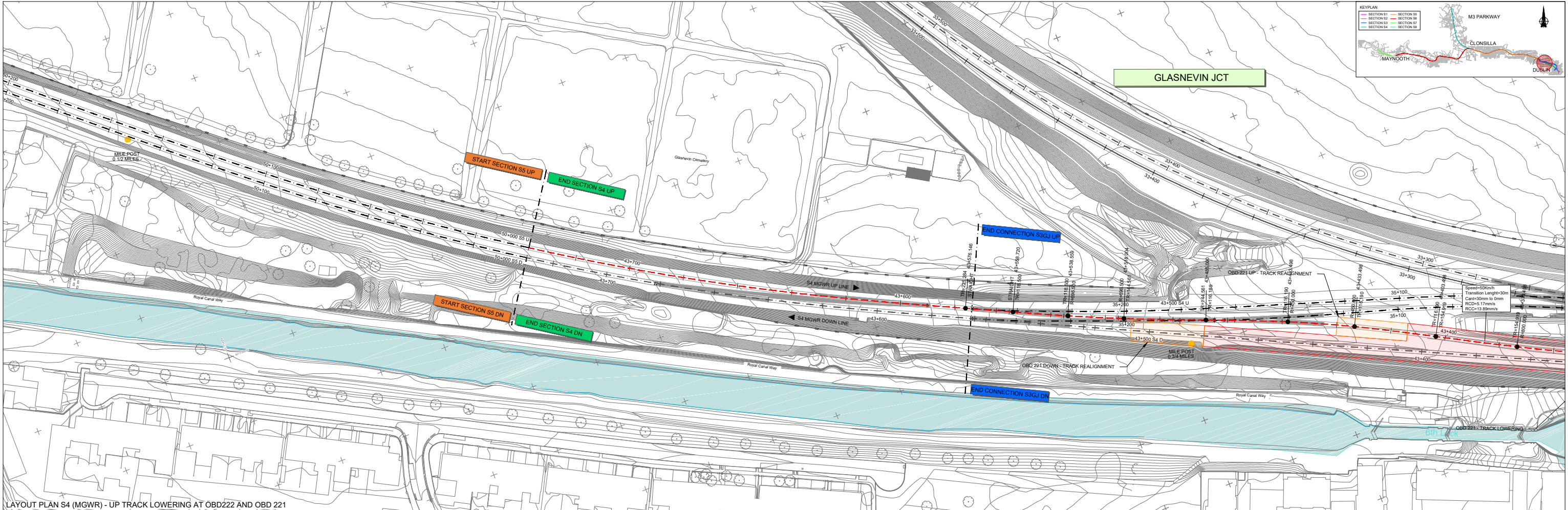
Date: April 2022

Job No: P/101086

Status: F1-Approved & accepted

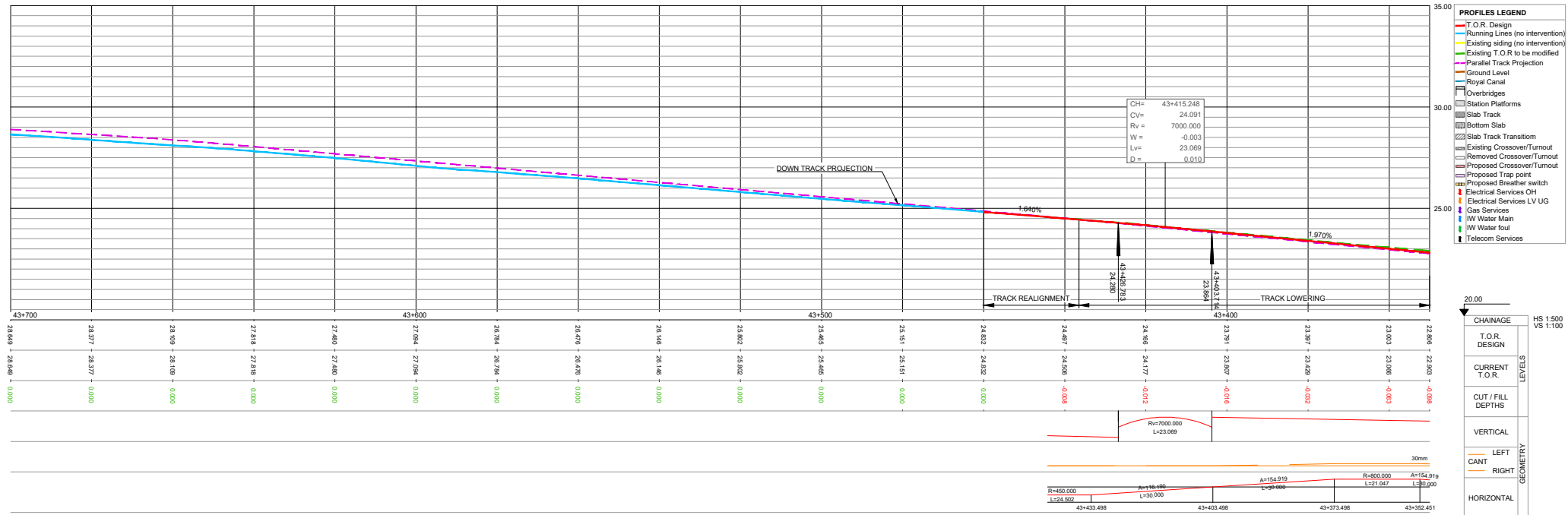
Rev: V01

Sheet: 07 of 10



LAYOUT PLAN S4 (MGWR) - UP TRACK LOWERING AT OBD222 AND OBD 221

ALIGNMENT LEGEND				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
	ACCUMULATIVE STATION POINTS		PROPOSED P&C		PROPOSED BREATHER SWITCH		BREATHER SWITCH TO BE REMOVED		PROPOSED UNDERBRIDGE		PROPOSED FENCES		ELECTRICAL SERVICES OHUG
	RAIL CENTERLINES AND TRACKS		P&C TO BE REMOVED		EXISTING TRAP POINT		FOULING POINT		OVERBRIDGE/LC TO BE REMOVED		EXISTING/PROPOSED WALLS		GAS SERVICES
	XX JCT		BUFFER STOP		EXISTING BREATHER SWITCH		EXISTING TGA		PROPOSED OVERBRIDGE/LC		SLAB TRACK/SLAB TRACK TRANSITION		TELECOMMUNICATION SERVICES
													TRACK LOWERING STRETCH
													TRACK REALIGNMENT STRETCH
													ESTIMATED OPW FLOODING AREAS



LONGITUDINAL PROFILE S4 (MGWR) - UP TRACK LOWERING AT OBD222 AND OBD221

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	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client

Consultant

Thomson & Thompson 2040

NTA

Irish Rail

idom

PROJ

Project

DART+ West

Drawing Title

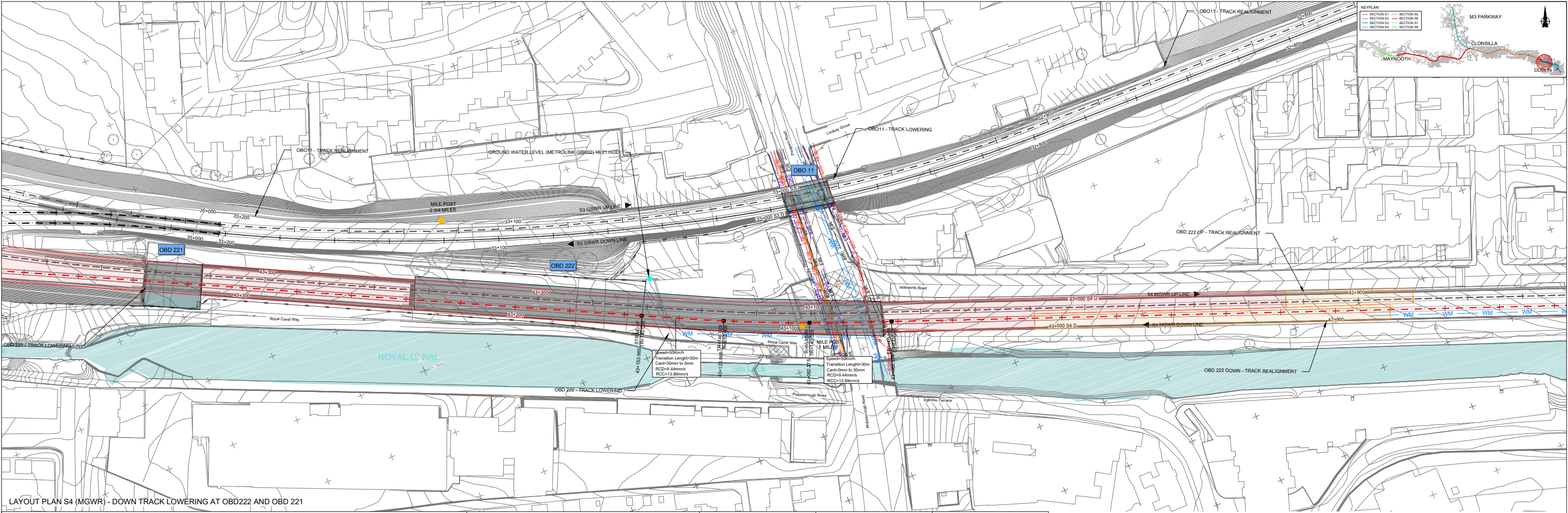
PERMANENT WAY DESIGN
SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR). ALIGNMENT AND PROFILES
OBD222 - OBD221 TRACK LOWERING - UP TRACK

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

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

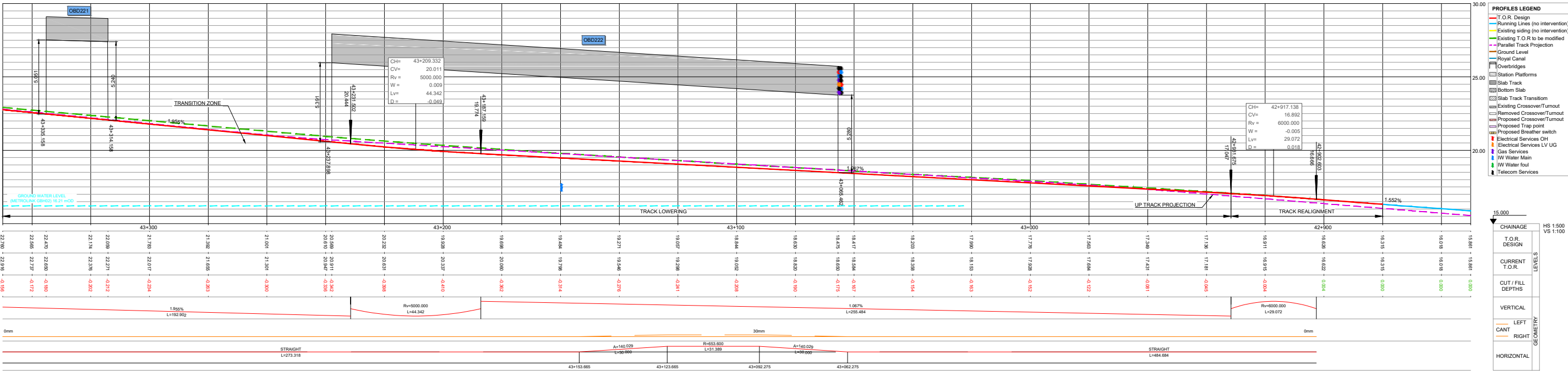
MAY MDC TRK SC04 DR C 0002 D

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



LAYOUT PLAN S4 (MGWR) - DOWN TRACK LOWERING AT OBD222 AND OBD 221

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



LONGITUDINAL PROFILE S4 (MGWR) - DOWN TRACK LOWERING AT OBD222 AND OBD 221

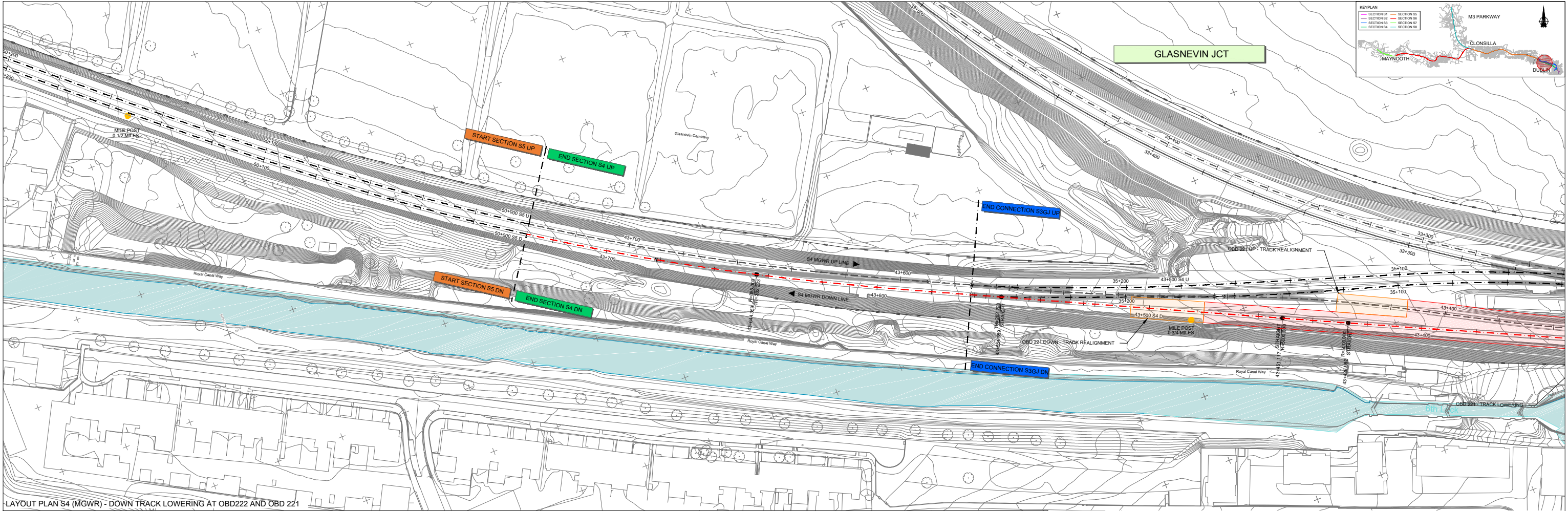
NOTES
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION/DIVERSION ACTIONS IS SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN AVAILABLE.

REV.	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client	Transportation Infrastructure Authority (TIA)
Consultant	IDOM
Project	PERMANENT WAY DESIGN SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES OBD222 - OBD221 TRACK LOWERING - DOWN TRACK
Drawing Title	SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES OBD222 - OBD221 TRACK LOWERING - DOWN TRACK

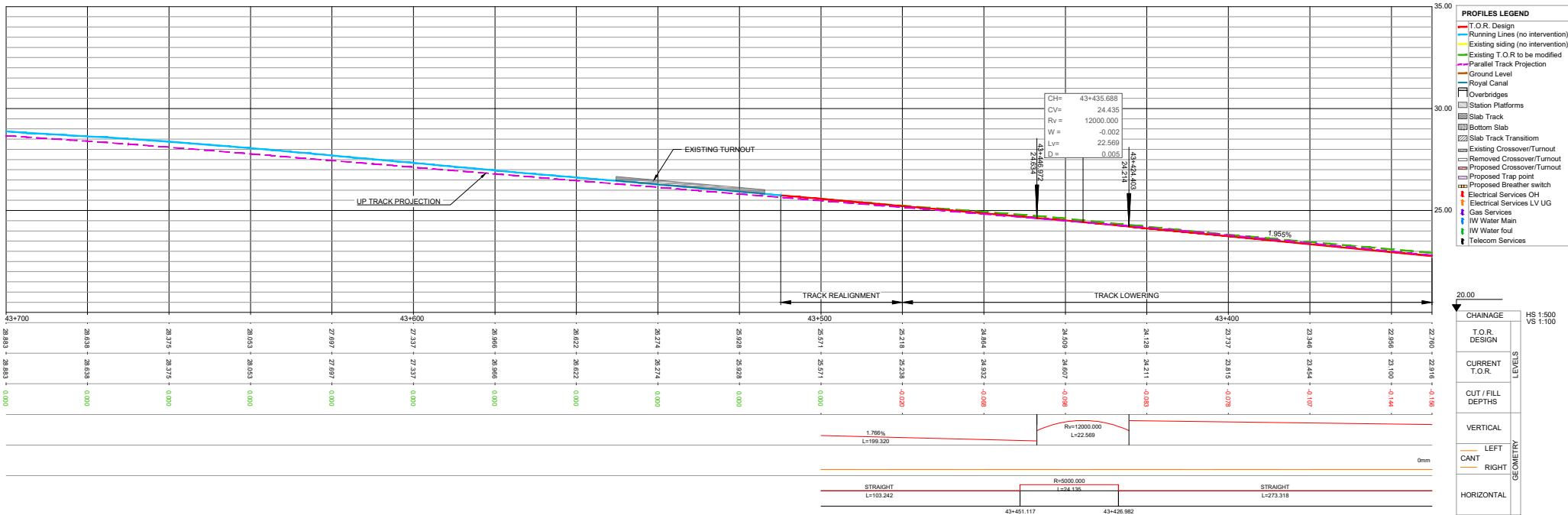
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Date:	April 2022
Job No:	P/101086
Status:	FI-Approved & accepted
Rev:	V01
Sheet:	09 of 10

Drawing Number	Project	Originator/Disipline	Location	Type	Role	Number	Phase
MAY MDC	TRK	SC04	DR	C	0002	D	



LAYOUT PLAN S4 (MGWR) - DOWN TRACK LOWERING AT OBD222 AND OBD 221

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



LONGITUDINAL PROFILE S4 (MGWR) - DOWN TRACK LOWERING AT OBD222 AND OBD221

NOTES
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REV	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

Client

Consultant

2040

NTA

Irish Rail

idom

PROJ

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK TO GLASNEVIN JUNCTION (MGWR), ALIGNMENT AND PROFILES
OBD222 - OBD221 TRACK LOWERING - DOWN TRACK

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

Drawing Number

Project

Originator

Discipline

Location

Type

Role

Number

Phase

MAY MDC TRK SC04 DR C 0002 D

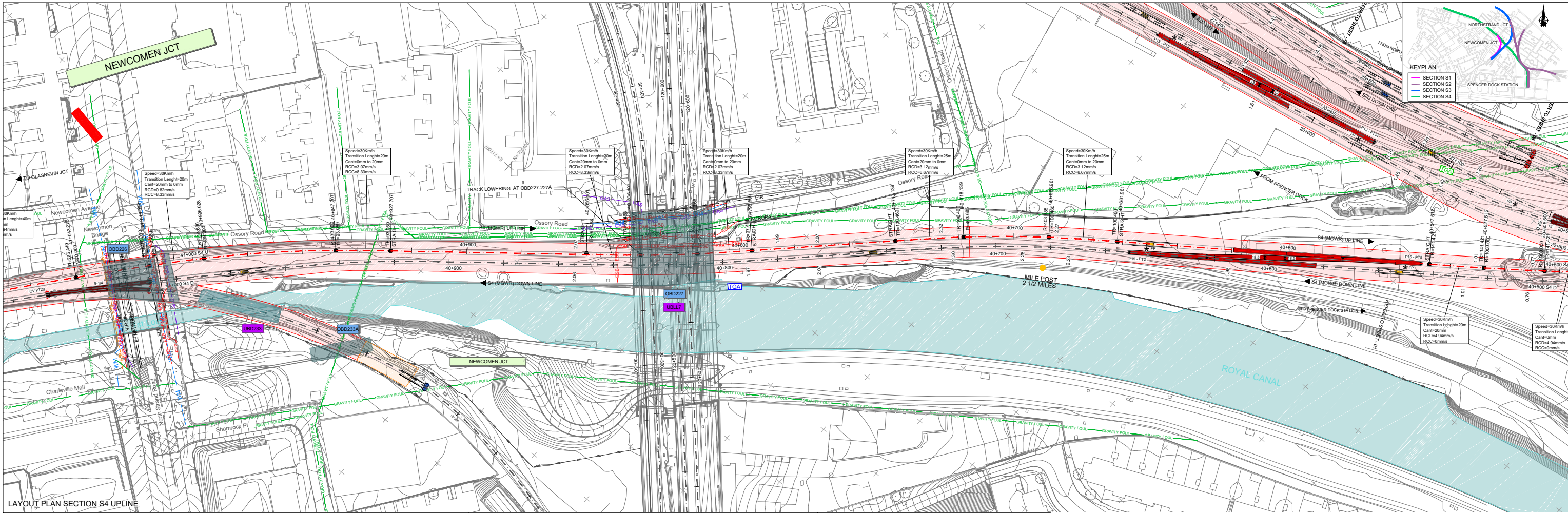
Date: April 2022

Job No: P101086

Status: F1-Approved & accepted

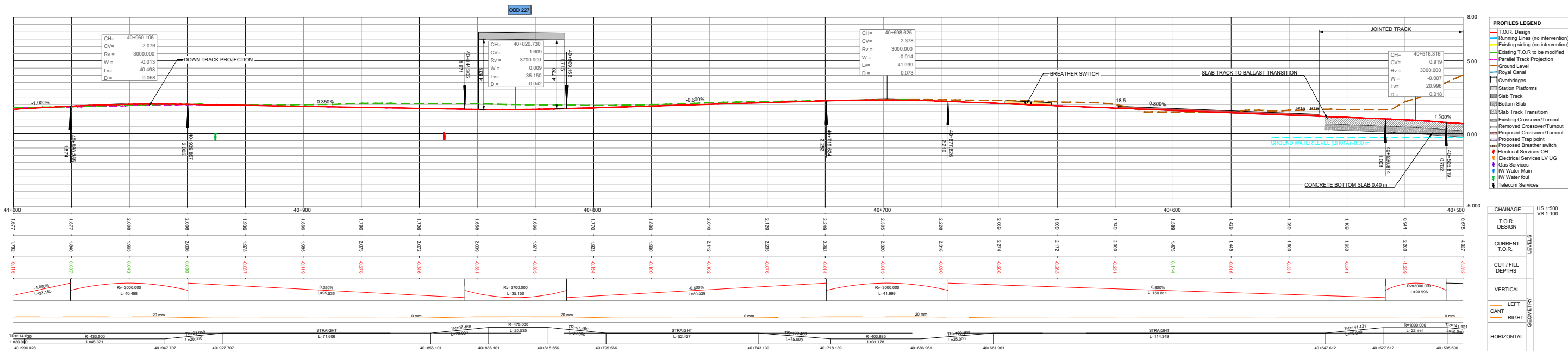
Rev: V01

Sheet: 10 of 10



LAYOUT PLAN SECTION S4 UPLINE

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



LONGITUDINAL PROFILE SECTION S4 UPLINE

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			

Client

Consultant

2040

NTA

Irish Rail

IDOM

JROD

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK, ALIGNMENT AND PROFILES
SPENCER DOCK STATION - SECTION S4 UPLINE

Drawing Number

Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY MDC TRK SC00 DR C 0002 D

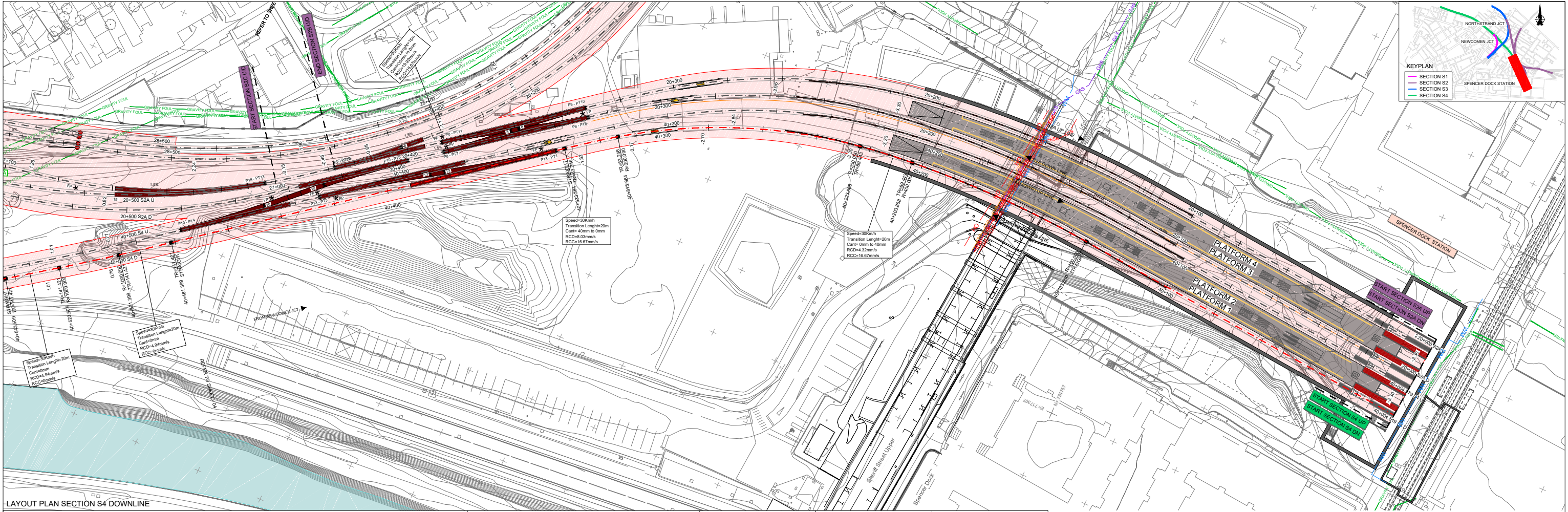
Date: April 2022

Job No: P1101086

Status: FI-Approved & accepted

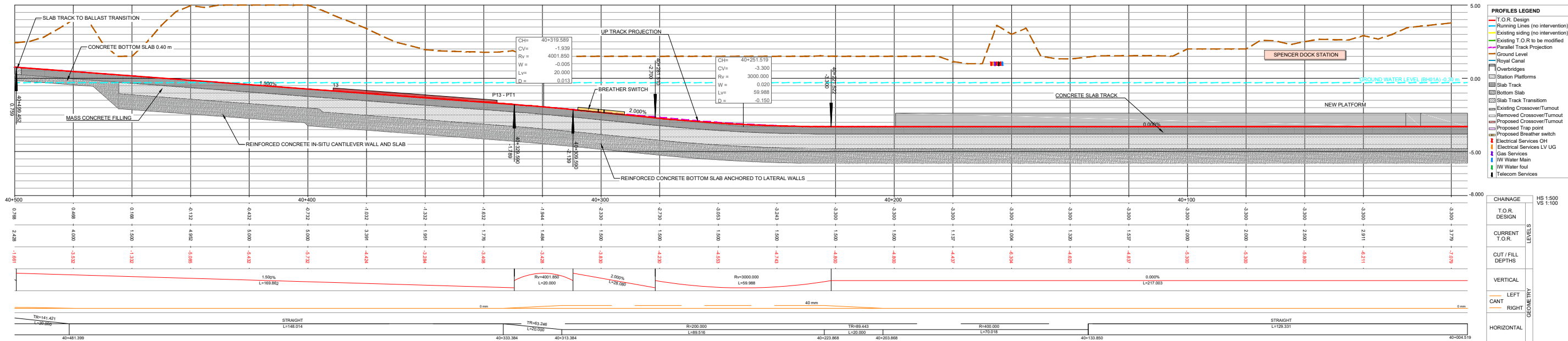
Rev: V01

Sheet: 02 of 14



LAYOUT PLAN SECTION S4 DOWNLINE

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



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/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 REVIEWED BY APPROVED BY					

Client

Consultant

2040

NTA

lamr d  ireann

Irish Rail

IDOM

PROJ

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK, ALIGNMENT AND PROFILES
SPENCER DOCK STATION - SECTION S4 DOWNLINE

Drawing Number 1

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

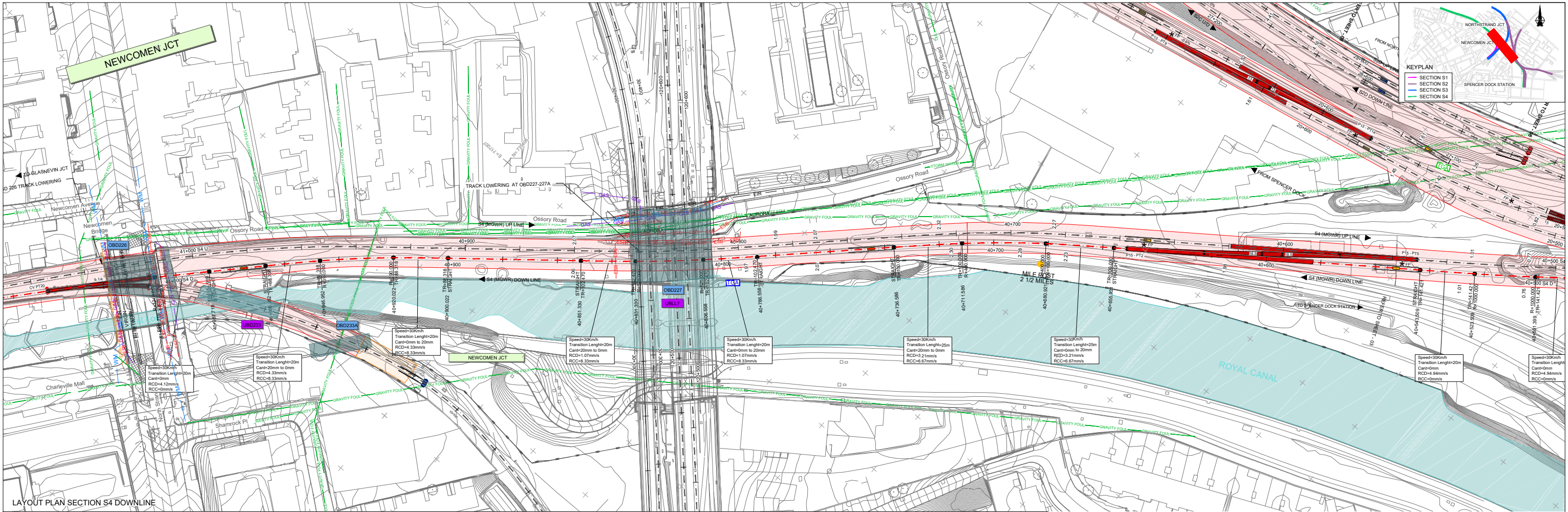
Date: April 2022

Job No: P1/01086

Status: F1-Approved & accepted

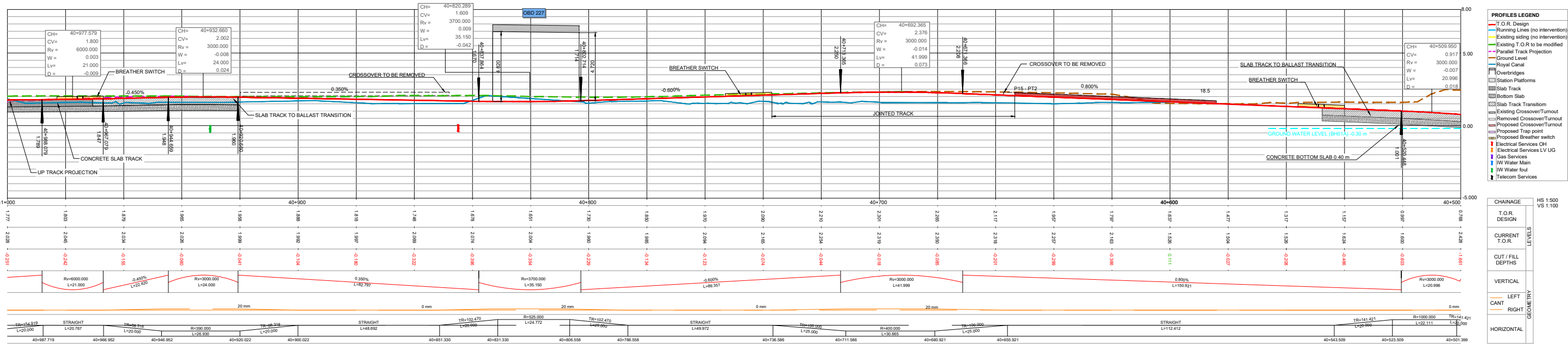
Rev: V01

Sheet: 03 of 14



LAYOUT PLAN SECTION S4 DOWNLINE

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



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

Client

Consultant

2040

NTA

Irish Rail

idom

PROJ

Project

DART+ West

Drawing Title

PERMANENT WAY DESIGN
SPENCER DOCK, ALIGNMENT AND PROFILES
SPENCER DOCK STATION - SECTION S4 DOWNLINE

Drawing Number

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

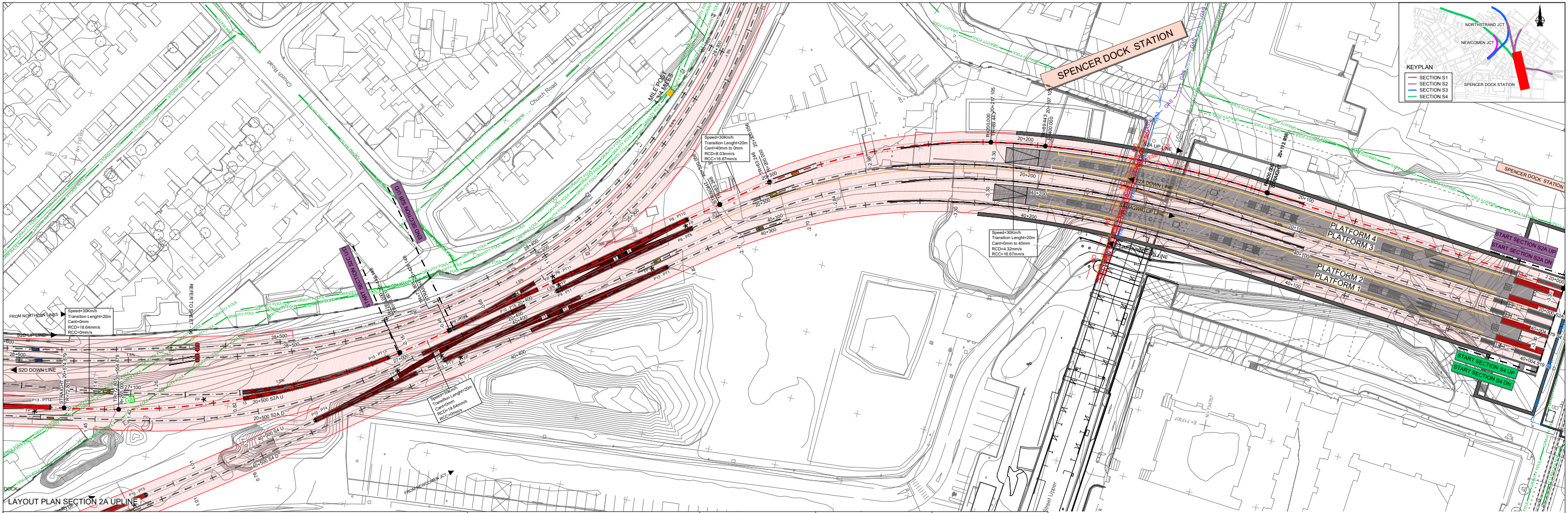
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Job No: P101086

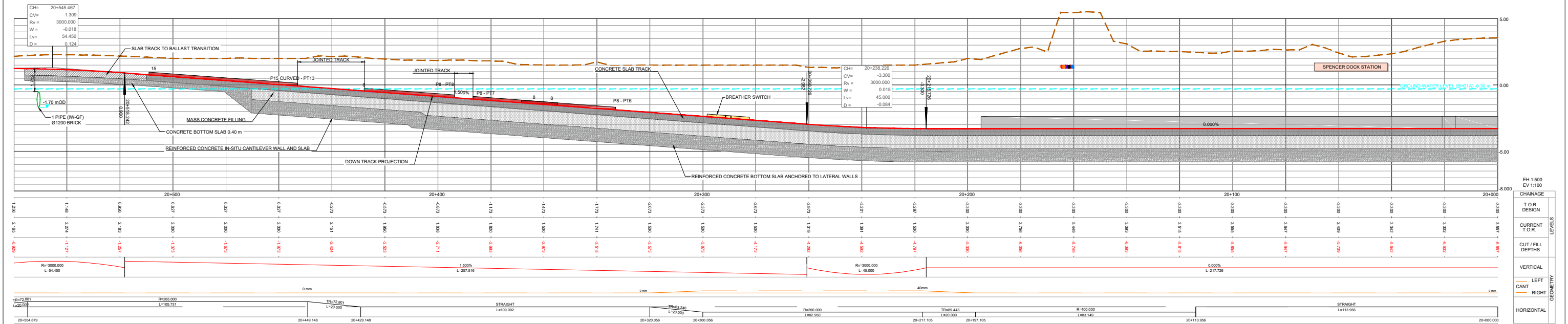
Status: F1-Approved & accepted

Rev: V01

Sheet: 04 of 14



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



LONGITUDINAL PROFILE SECTION S2A UPLINE

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

Consultant

Project

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

Date

April 2022

Job No:

P/101086

Status:

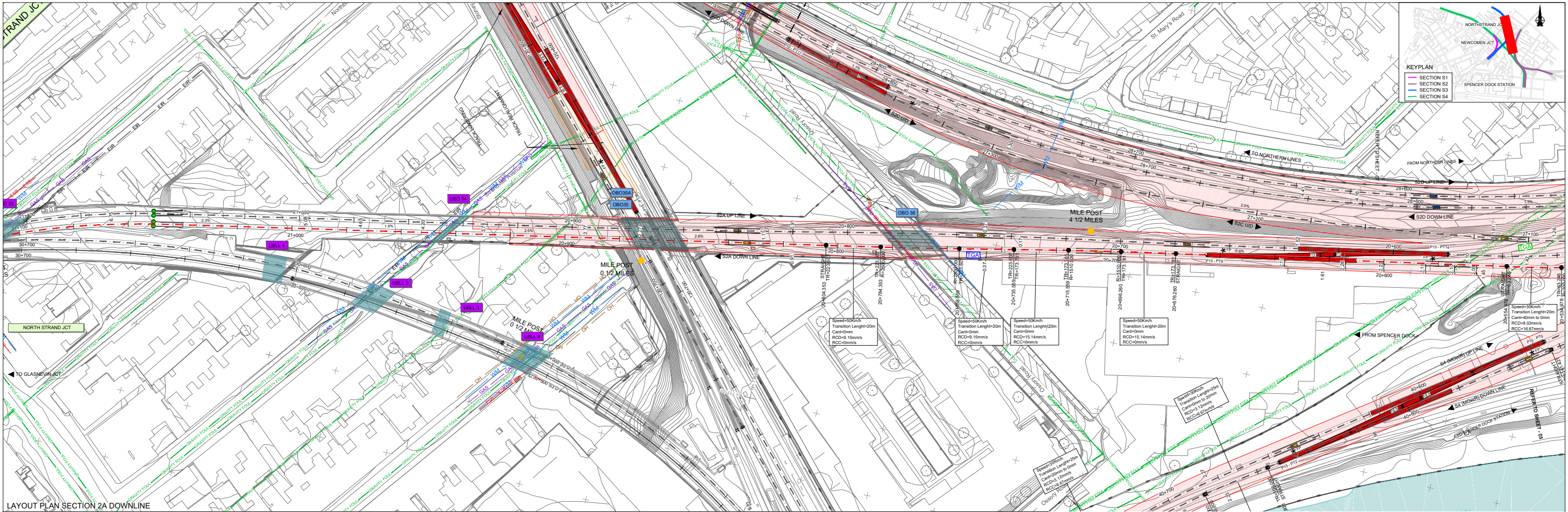
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Rev:

V01

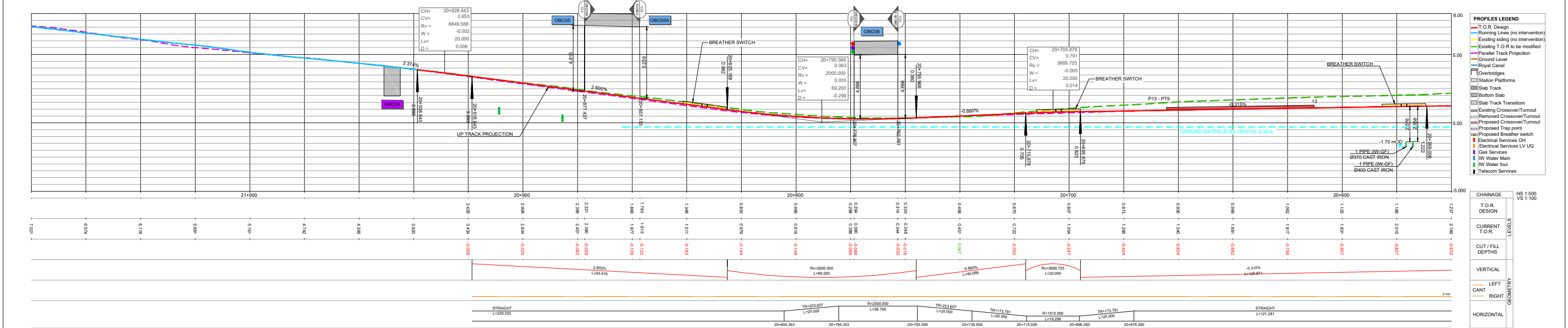
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05 of 14



LAYOUT PLAN SECTION 2A DOWNLINE

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



LONGITUDINAL PROFILE SECTION 2A 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 REVIEWED BY APPROVED BY

Client

Consultant

Project

Drawing Title

Scale:

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Drawing Number

Project

May MDC TRK SC00 DR C 0002 D

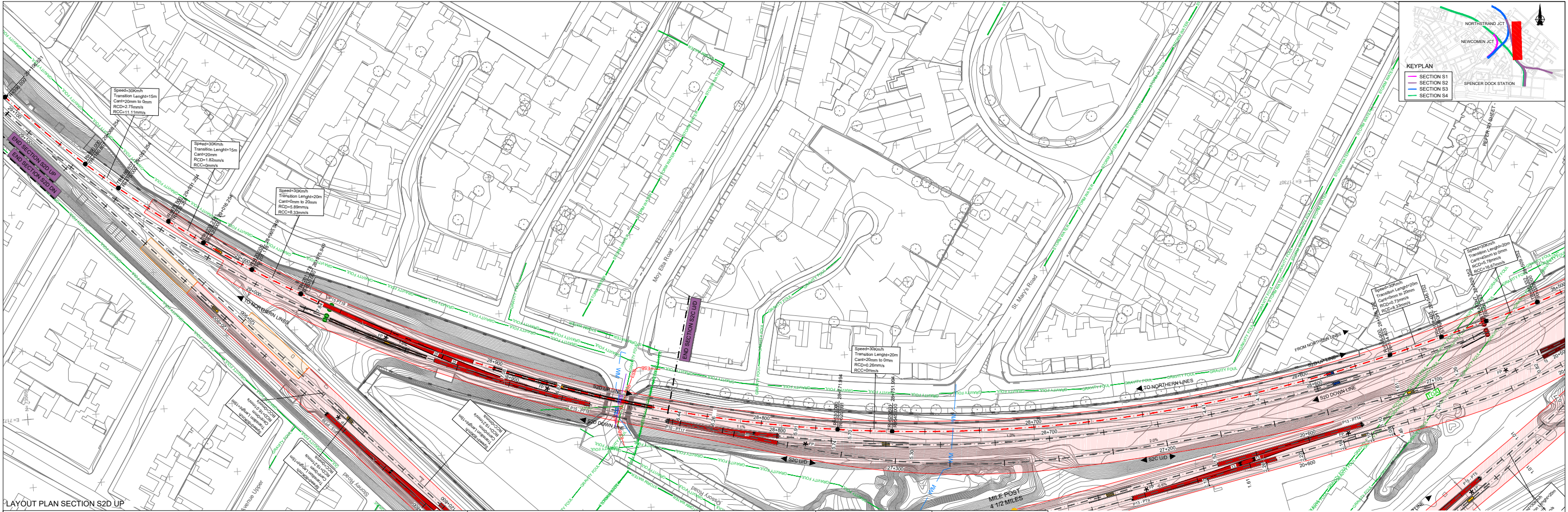
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Job No:

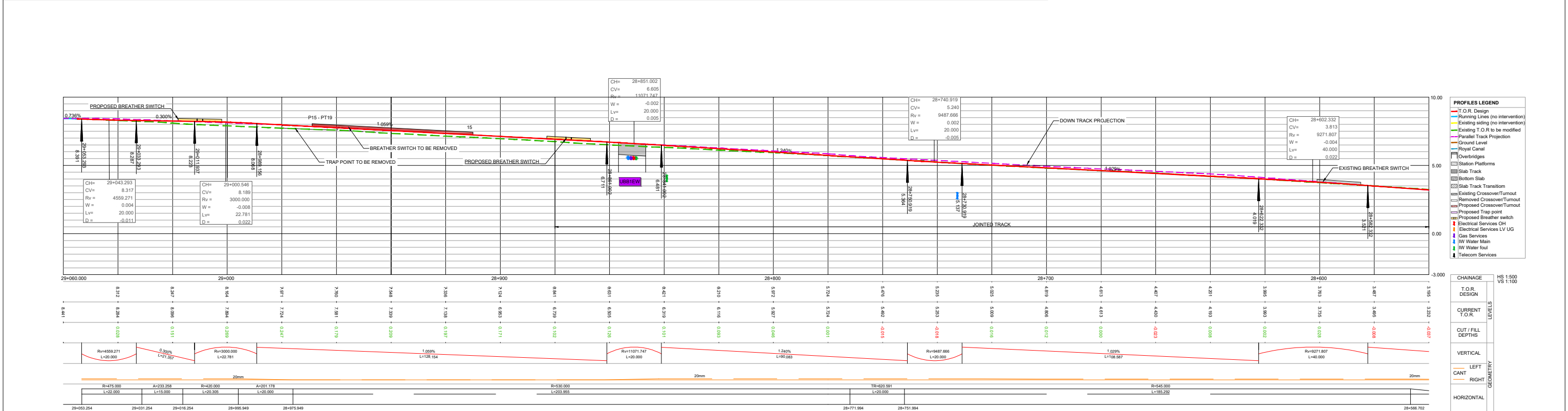
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Rev:

Sheet: 06 of 14



ALIGNMENT LEGEND				STRUCTURES				WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000 500	10+000 500	10+000 500	10+000 500	OBX XX	UBX XX	UBX XX	UBX XX	EXISTING FENCES	PROPOSED FENCES	WATER MAIN/GRAVITY FOUL	ELECTRICAL SERVICES OHUG	TRACK LOWERING STRETCH	TRACK REALIGNMENT STRETCH
10+000 500	10+000 500	10+000 500	10+000 500	OBX XX	UBX XX	UBX XX	UBX XX	EXISTING PROPOSED WALLS	EXISTING/PROPOSED WALLS	GAS SERVICES	GAS SERVICES	ESTIMATED OPW FLOODING AREAS	ESTIMATED OPW FLOODING AREAS
10+000 500	10+000 500	10+000 500	10+000 500	OBX XX	UBX XX	UBX XX	UBX XX	SLAB TRACK/SLAB TRACK TRANSITION	SLAB TRACK/SLAB TRACK TRANSITION	TELECOMMUNICATION SERVICES	TELECOMMUNICATION SERVICES		



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 PROFILE.

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REV	DATE	DESCRIPTION	SDR	MRI	CCH
V01	April 2022	PLANNING ISSUE			

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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 MAY MDC TRK SC00 DR C 0002 D

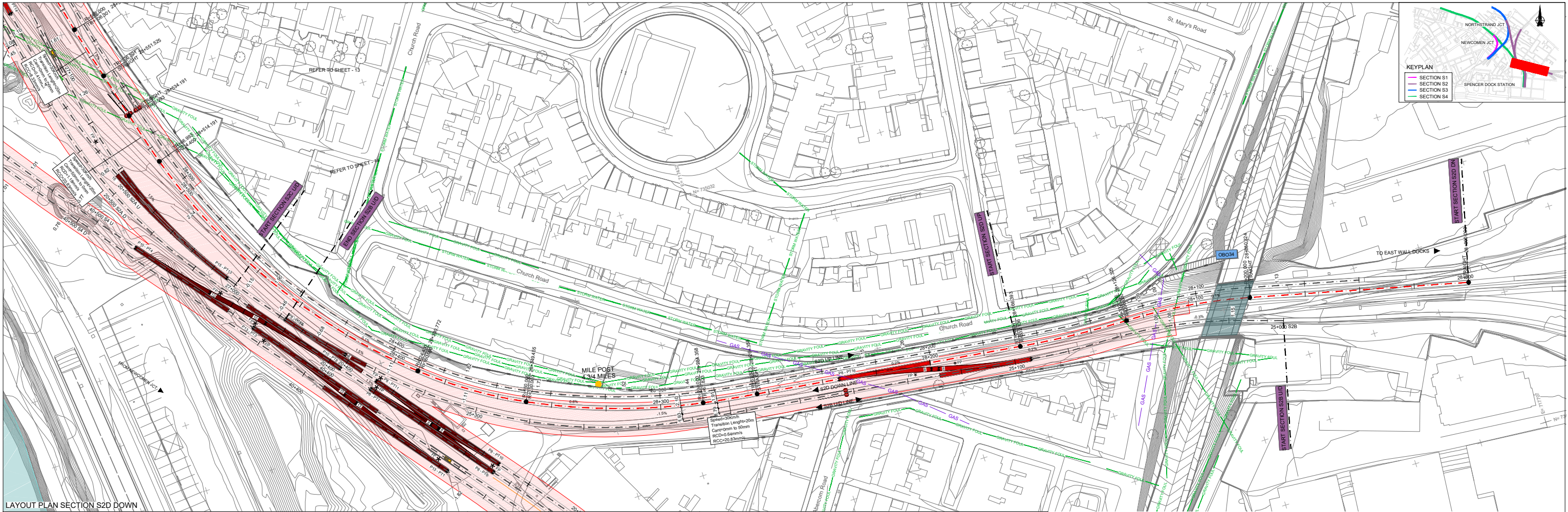
Date: April 2022

Job No: P1/01086

Status: F1-Approved & accepted

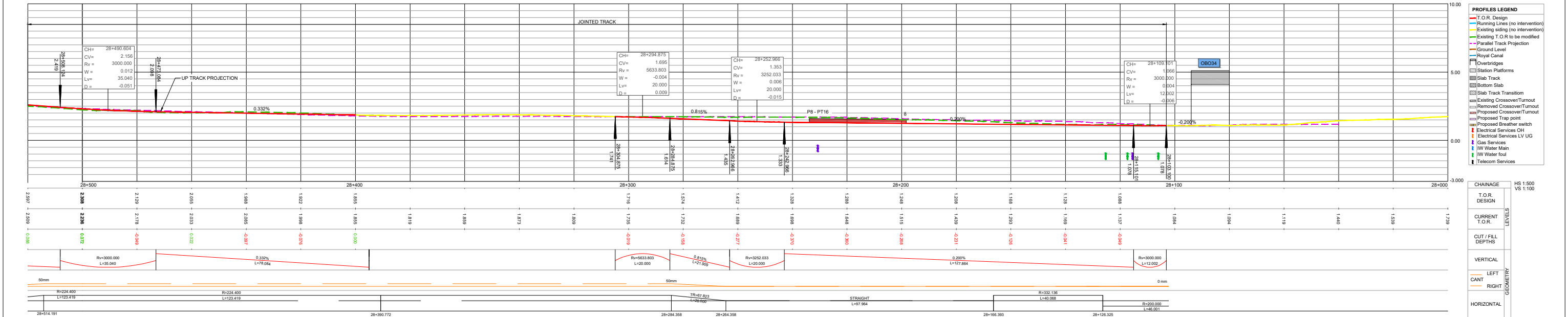
Rev: V01

Sheet: 12 of 14



LAYOUT PLAN SECTION S2D DOWN

ALIGNMENT LEGEND				STRUCTURES				WALLS AND FENCES		EXISTING UTILITIES		OTHER	
10+000	10+000	10+000	10+000	OBXX	OBXX	OBXX	OBXX	EXISTING FENCES	PROPOSED FENCES	WATER MAIN/GRAVITY FOUL	OH	TRACK LOWERING STRETCH	TRACK REALIGNMENT STRETCH
10+000	10+000	10+000	10+000	OBXX	OBXX	OBXX	OBXX	EXISTING PROPOSED WALLS	SLAB TRACK/SLAB TRACK TRANSITION	ELECTRICAL SERVICES OHUG	GAS SERVICES	ESTIMATED OPW FLOODING AREAS	
10+000	10+000	10+000	10+000	OBXX	OBXX	OBXX	OBXX			TELECOMMUNICATION SERVICES			



LONGITUDINAL PROFILE SECTION S2D DOWN

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			

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All dimensions are in metres and relate to D50 Geoid Model (OSG2003) datum as defined by existing Project Controls.
All coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Dublin City Centre (DCC).

Client

Thames Valley University
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 DOWN

Scale:

1:1000 @ A1 1:2000 @ A3

0 5 12.5 25 50

Drawing Number

1

Project

Originator

Discipline

Location

Type

Role

Number

Phase

Date

April 2022

Job No:

P/101086

Status:

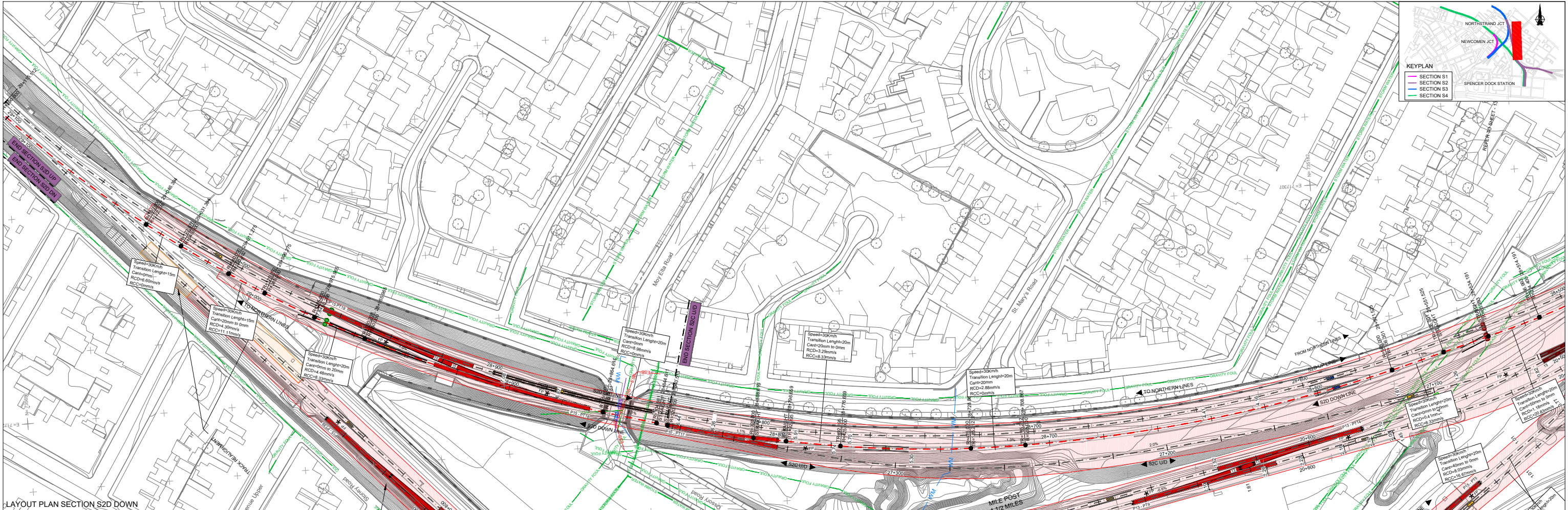
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Rev:

V01

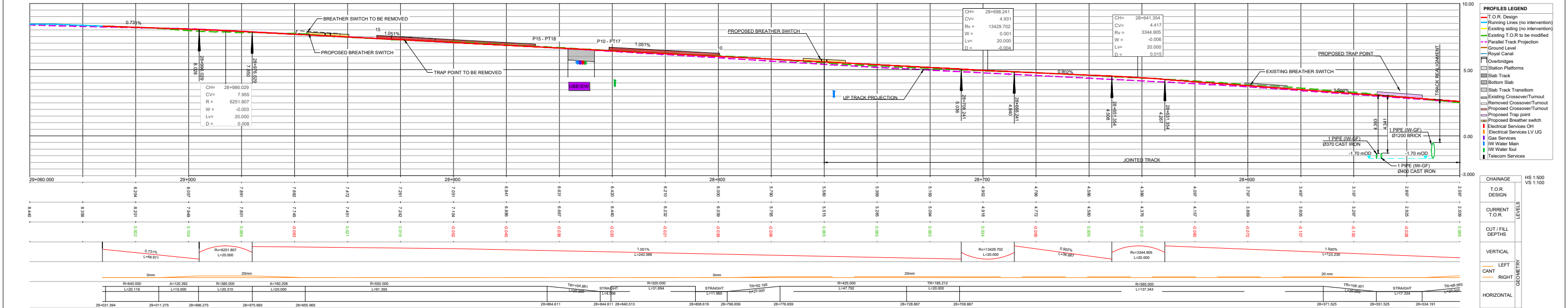
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LAYOUT PLAN SECTION S2D DOWN

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



LONGITUDINAL PROFILE SECTION S2D DOWN

NOTES

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

Client

Consultant

2040

NTA

lamróid Éireann Irish Rail

IDOM

JROD

Project

DART+ West

Drawing Title

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

Drawing Number

Project

Discipline

Location

Type

Role

Number

Phase

Scale:

1:1000 @ A1 1:2000 @ A3

Date:

April 2022

Job No:

P/101086

Status:

F1-Approved & accepted

Rev:

V01

Sheet:

14 of 14