

Client Tionscail Éireann Project Ireland 2040, NTA, Iamród Éireann Irish Rail

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

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

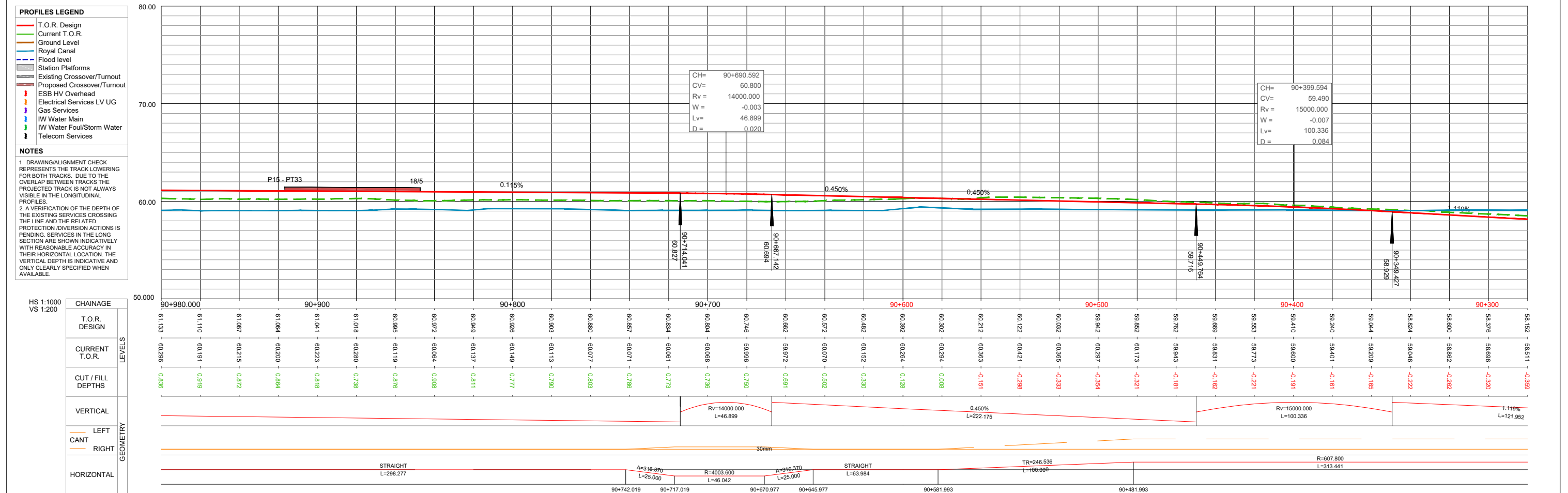
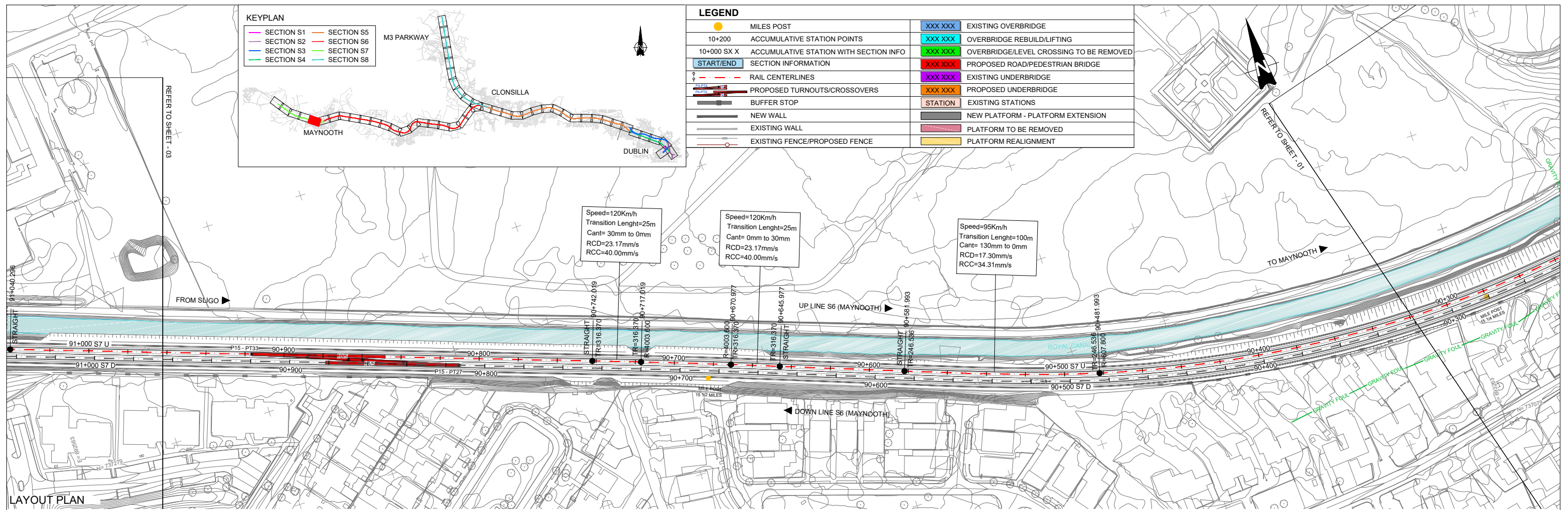
Date: April 2022 | **Job No:** P/101086 | **Status:** F1-Approved & accepted | **Rev:** V01 | **Sheet:** 01 of 05

Consultant IDOM, G3, IROD

Revision Table:

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

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Survey No. 6039720 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2020051_NMA_180 (OSi Vector Data).
All elevations are in metres and relate to OSi Geoid Meanoid (OSGM02) Mean Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL49).



LONGITUDINAL PROFILE

HS 1:1000 VS 1:200

CHAINAGE	T.O.R. DESIGN	CURRENT T.O.R.	CUT / FILL DEPTHS	VERTICAL	GEOMETRY	HORIZONTAL
90+980.000	61.133	60.296	0.836			
90+990	61.110	60.191	0.919			
90+1000	61.087	60.215	0.872			
90+1004	61.004	60.200	0.864			
90+1041	61.041	60.223	0.818			
90+1018	61.018	60.280	0.738			
90+985	60.985	60.119	0.876			
90+972	60.972	60.064	0.908			
90+949	60.949	60.137	0.811			
90+926	60.926	60.149	0.777			
90+903	60.903	60.113	0.790			
90+880	60.880	60.077	0.803			
90+857	60.857	60.071	0.786			
90+834	60.834	60.061	0.773			
90+804	60.804	60.088	0.738			
90+746	60.746	59.996	0.750			
90+662	60.662	59.972	0.697			
90+572	60.572	60.070	0.502			
90+482	60.482	60.152	0.330			
90+392	60.392	60.264	0.128			
90+302	60.302	60.294	0.008			
90+212	60.212	60.369	-0.151			
90+122	60.122	60.421	-0.298			
90+032	60.032	60.365	-0.333			
90+942	59.942	60.297	-0.354			
90+852	59.852	60.173	-0.321			
90+762	59.762	59.943	-0.181			
90+669	59.669	59.831	-0.162			
90+553	59.553	59.773	-0.221			
90+410	59.410	59.600	-0.191			
90+240	59.240	59.401	-0.161			
90+044	59.044	59.209	-0.165			
90+824	58.824	59.046	-0.222			
90+600	58.600	58.862	-0.262			
90+376	58.376	58.696	-0.320			
90+152	58.152	58.511	-0.359			

Client: Tionscatal Éireann Project Ireland 2040, NTA, Iarnród Éireann Irish Rail

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

Drawing Number: MAY MDC TRK SC07 DR C 0003 D

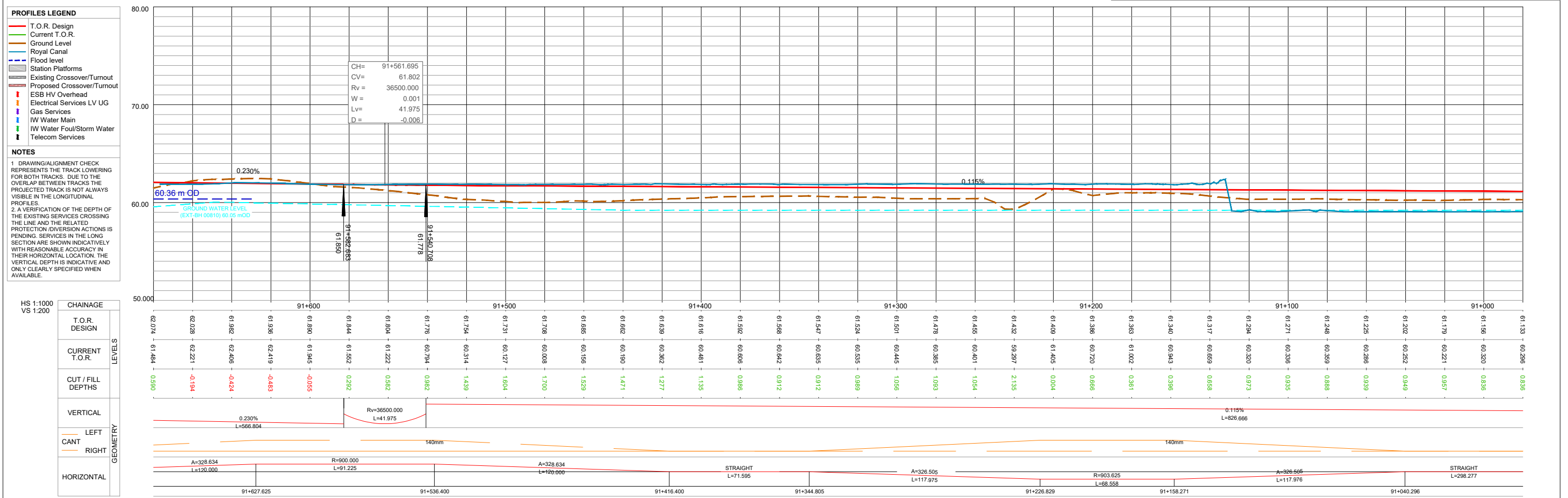
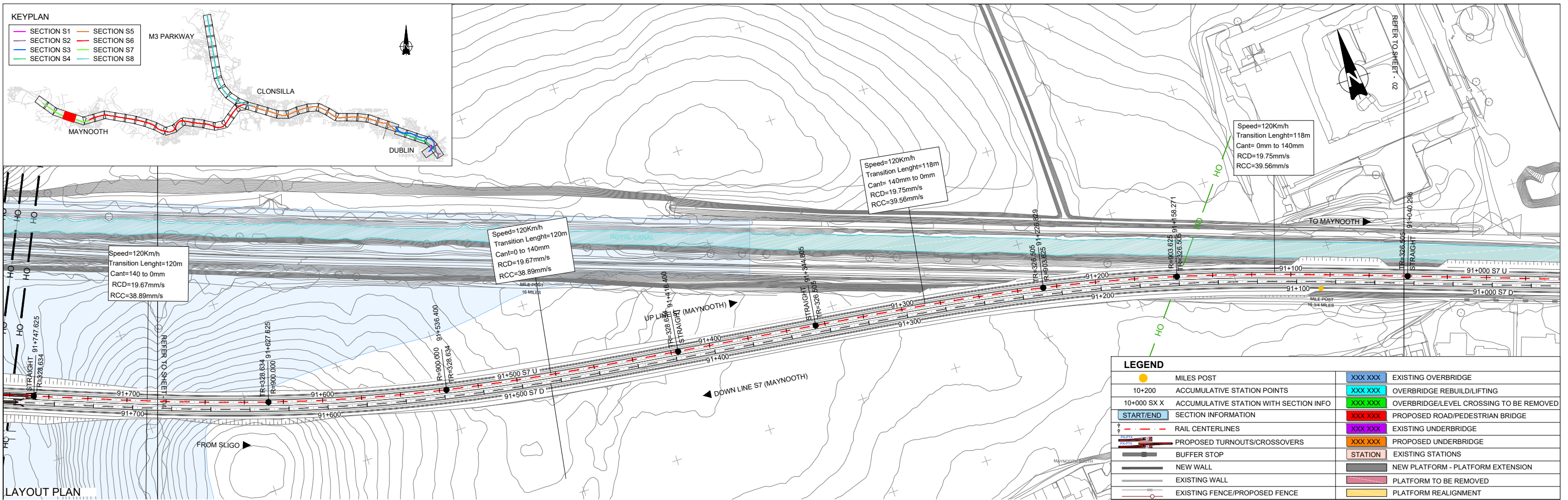
Date: April 2022

Job No.: P/101086

Status: F1-Approved & accepted

Rev.: V01

Sheet: 02 of 05



LONGITUDINAL PROFILE

HS 1:1000 VS 1:200

Client: **Tionscald Eireann Project Ireland 2040**, **NTA**, **Iarnród Eireann Irish Rail**

Project: **DART+ West**

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

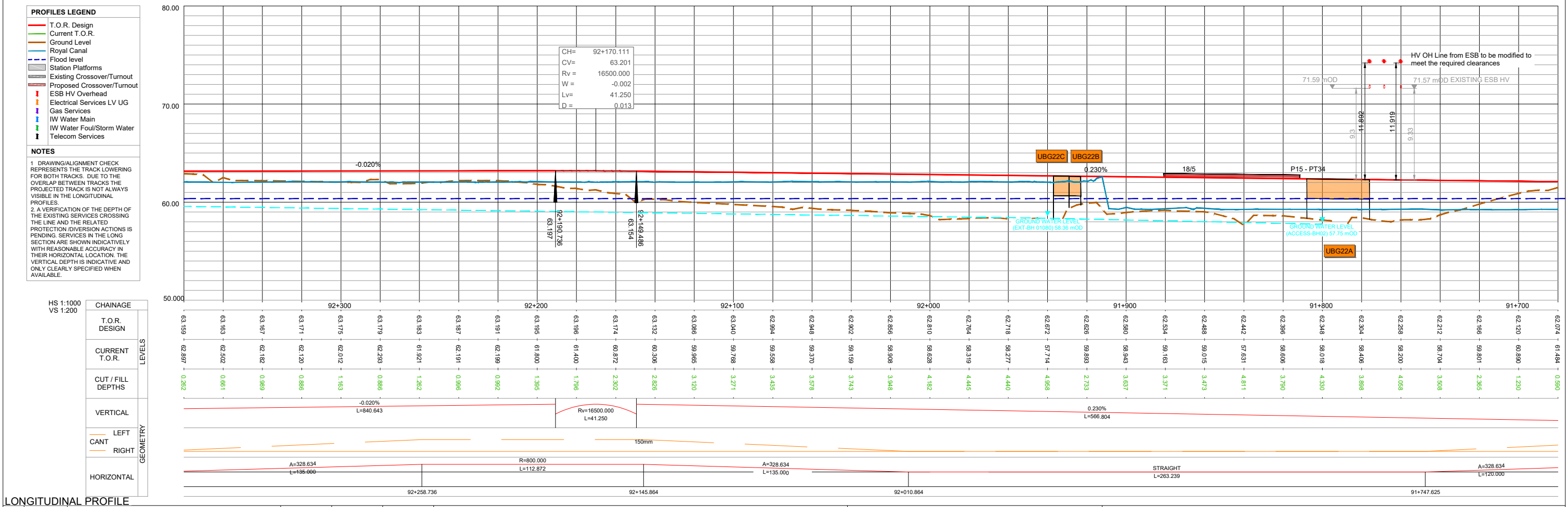
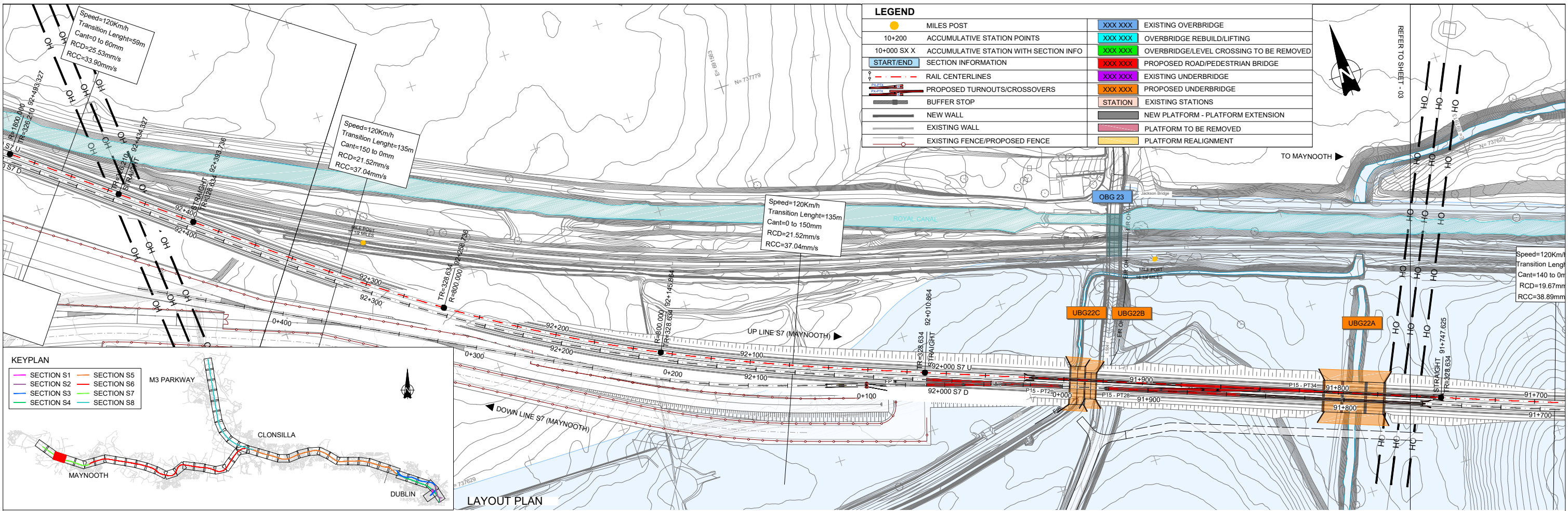
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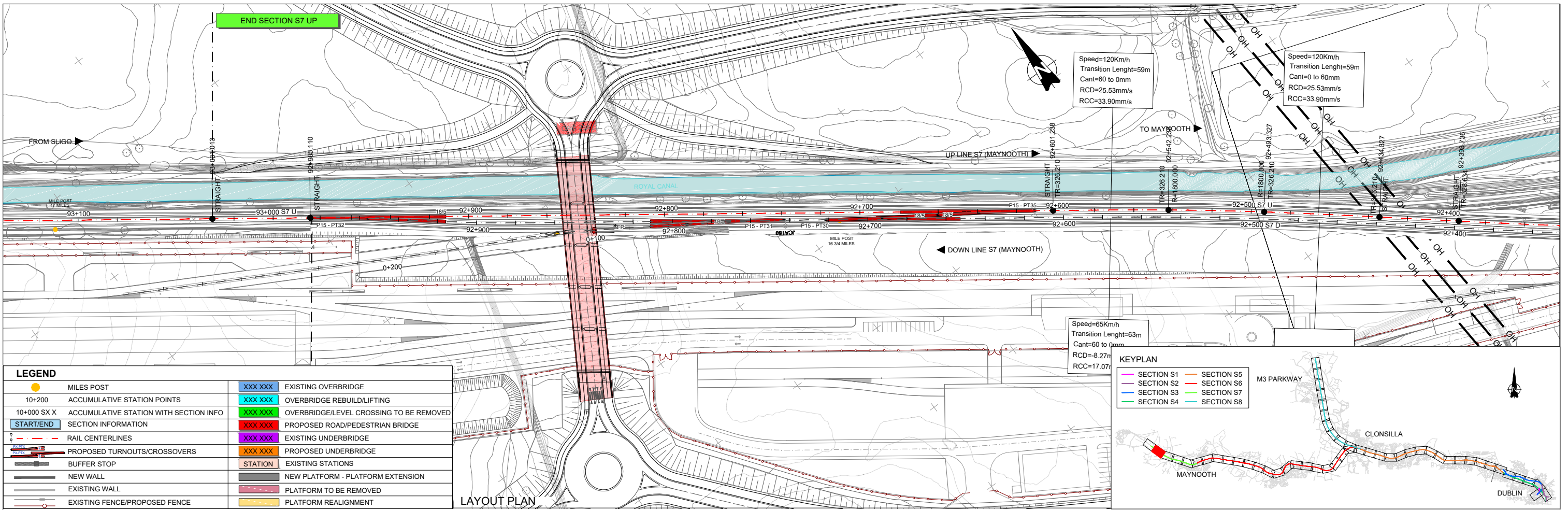
Drawing Number: **MAY MDC TRK SC07 DR C 0003 D**

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

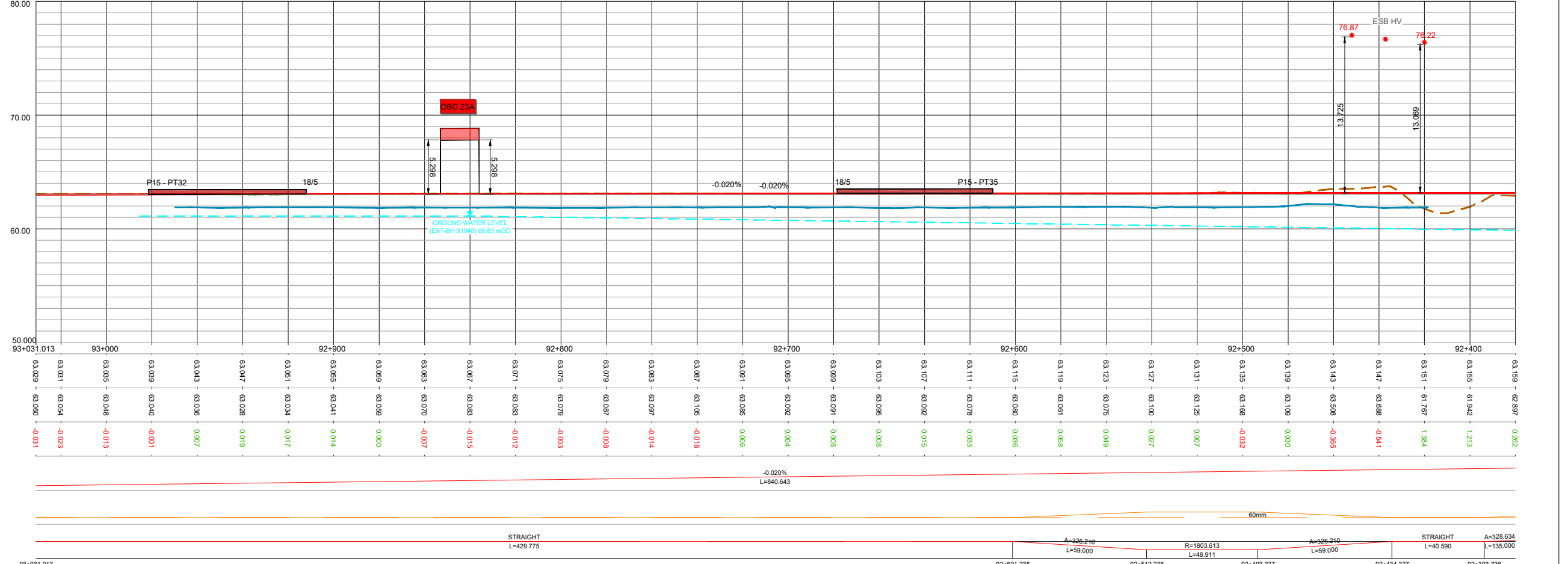
Consultant: **IDOM**, **G3**, **PROD**

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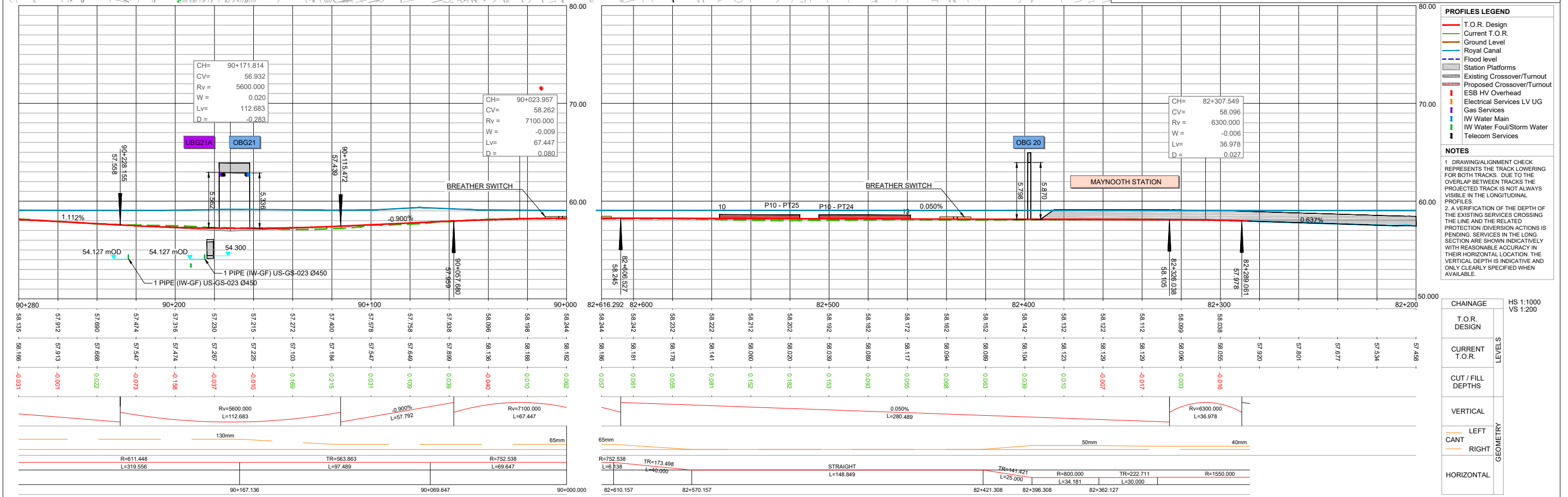
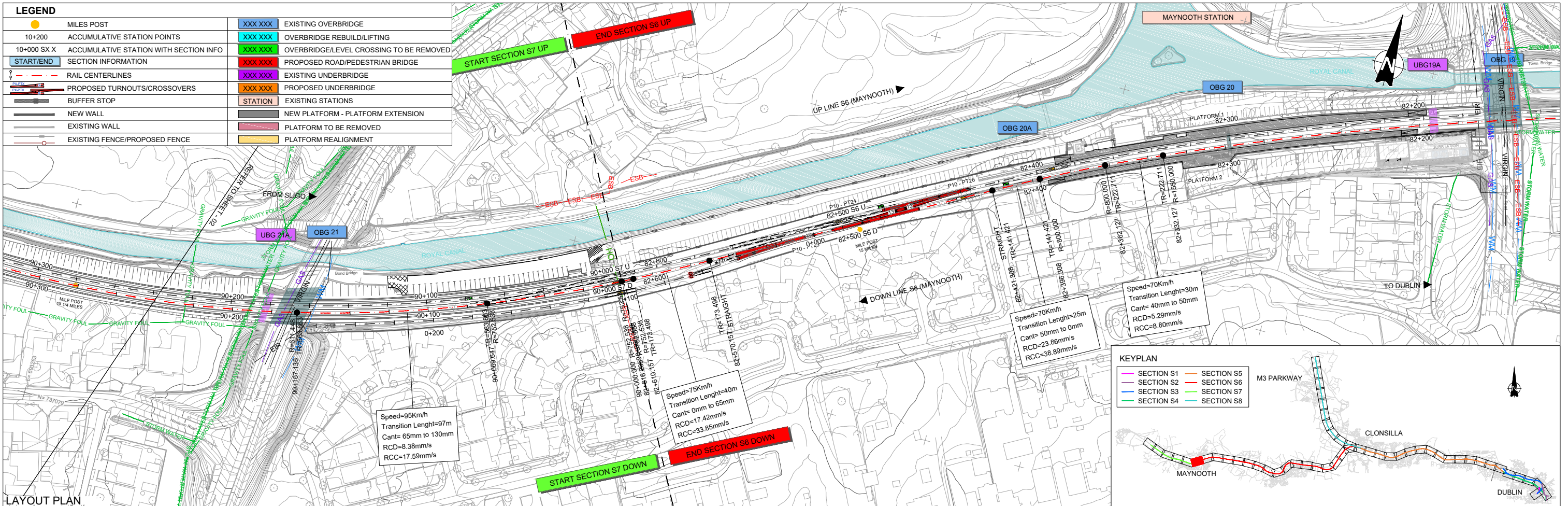
- PROFILES LEGEND**
- T.O.R. Design
 - Current T.O.R.
 - Ground Level
 - Royal Canal
 - Flood level
 - Station Platforms
 - Existing Crossover/Turnout
 - Proposed Crossover/Turnout
 - ESB HV Overhead
 - Electrical Services LV UG
 - Gas Services
 - IW Water Main
 - IW Water Foul/Storm Water
 - Telecom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

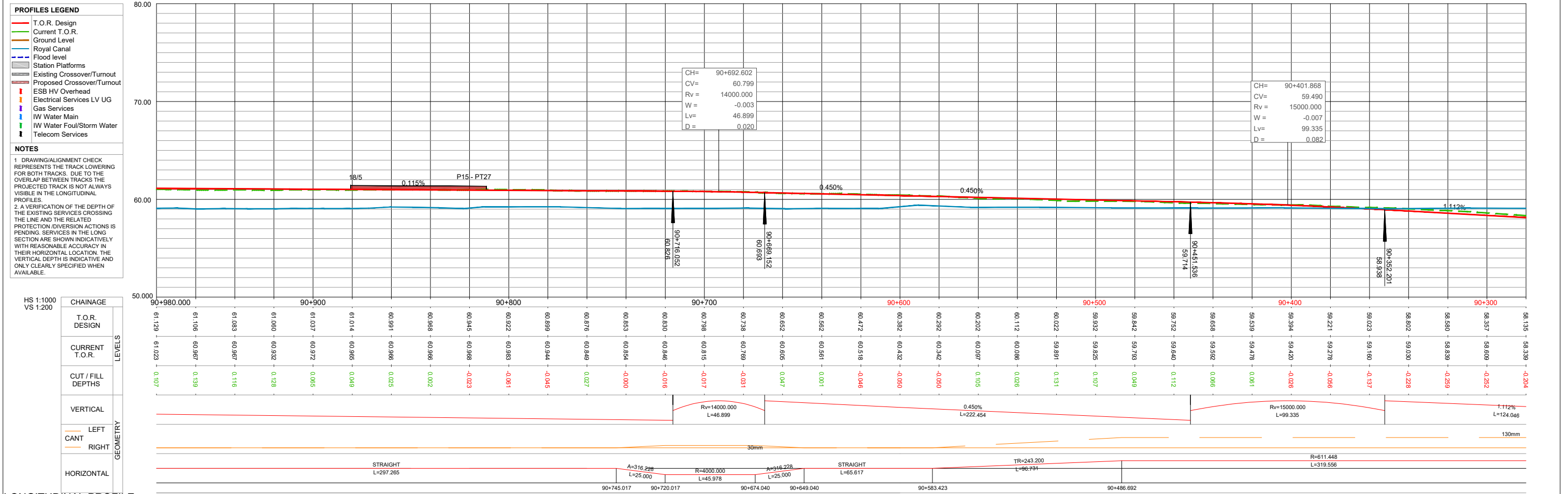
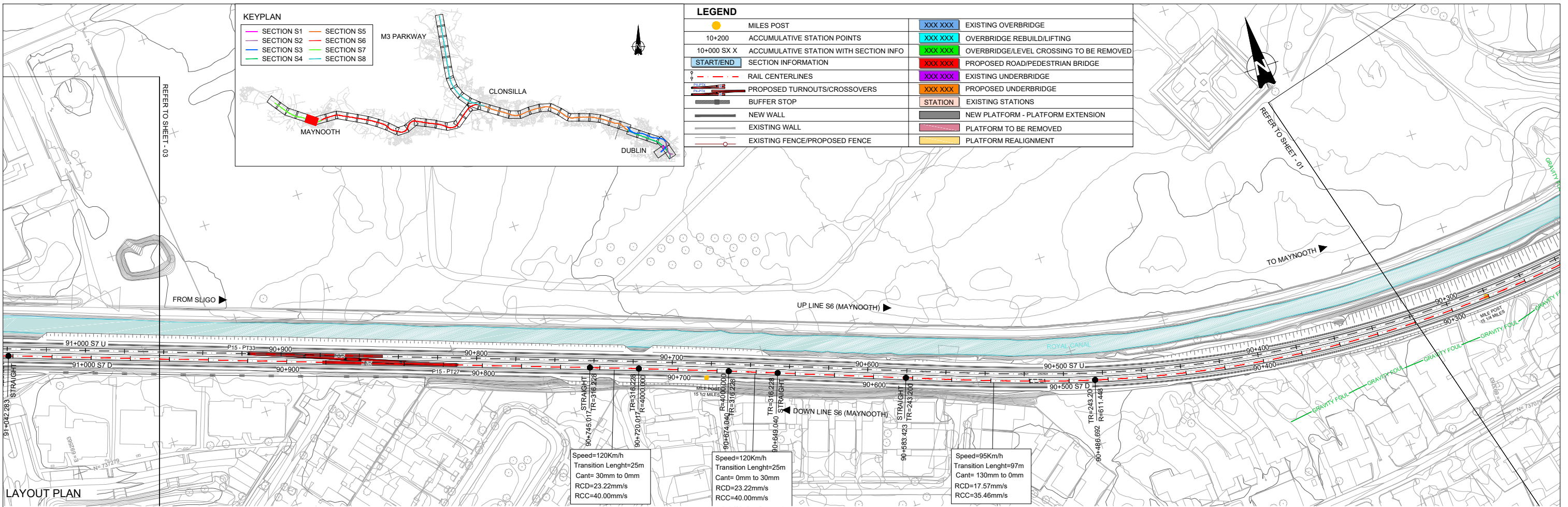
Client	Tionscald Éireann Project Ireland 2040	NTA	Iarnród Éireann Irish Rail	Project	DART+ West	Drawing Title	PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP SECTION S7 UPLINE	
Consultant	IDOM	G3	PROD			Scale:	1:1000 @ A1 1:2000 @ A3	
Rev	V01	April 2022	PLANNING ISSUE	SDR	MRI	CCH	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: 05 of 05

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 Survey No: 6039720 (OS Aerial Data or OS Lidar Data) & Survey No: 202005_NMA_180 (OS Vector Data).
 All elevations are in metres and relate to OS Geoid Model (OSGM02). Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Tallaght College (TL4.G).



LONGITUDINAL PROFILE

Client	Tionscald Eireann Project Ireland			Project			Drawing Title		
Consultant	IDOM			DART+ West			PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S6-S7 DOWNLINE		
Client	Irish Rail			Project			Drawing Number Project Originator Discipline Location Type Role Number Phase		
Client	Irish Rail			Project			MAY MDC TRK SC07 DR C 0004 D		
Client	Irish Rail			Project			Date: April 2022 Job No: P/101086 Status: Ft-Approved & accepted Rev: V01 Sheet: 01 of 06		



LONGITUDINAL PROFILE

Client: Tionscald Eireann Project Ireland 2040, NTA, Iamród Eireann Irish Rail

Project: DART+ West

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

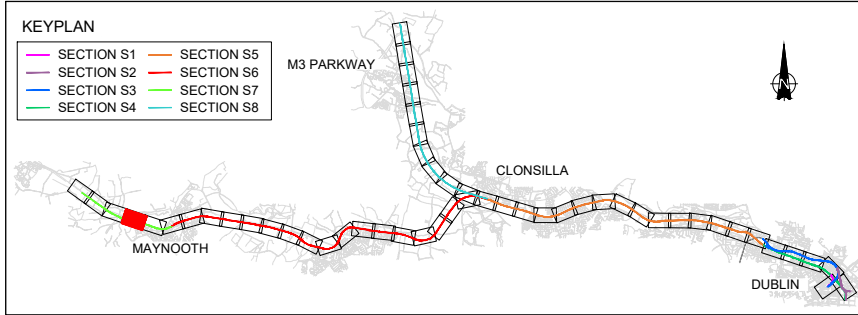
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Drawing Number: MAY MDC TRK SC07 DR C 0004 D

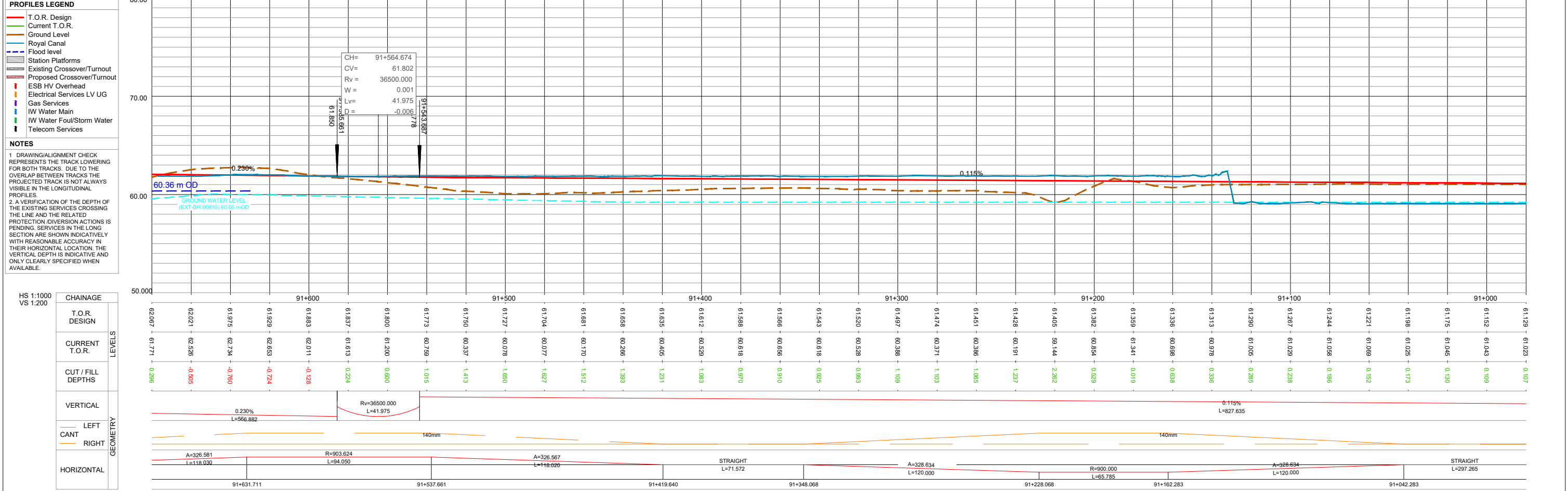
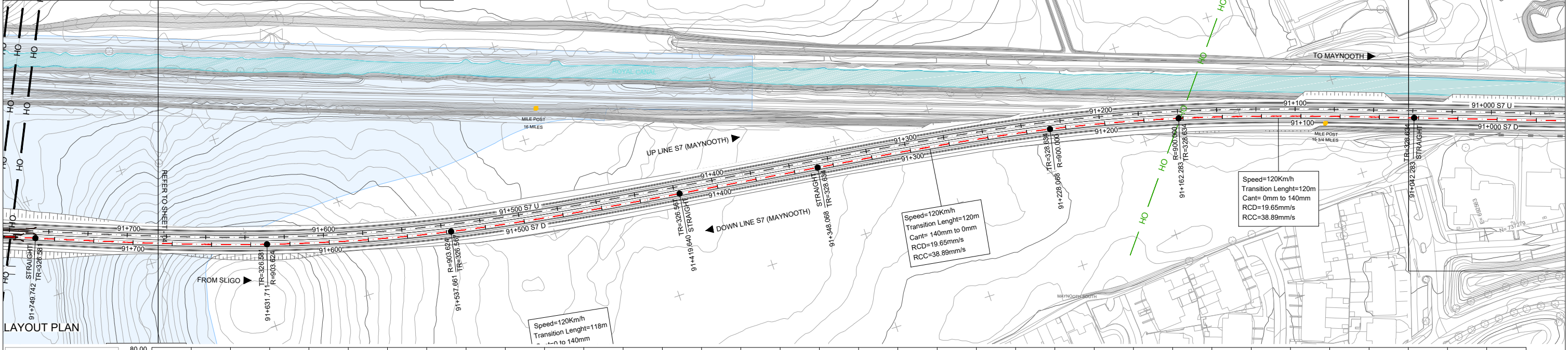
Date: April 2022, Job No: P/101086, Status: F1-Approved & accepted, Rev: V01, Sheet: 02 of 06

Consultant: IDOM, G3, IROD

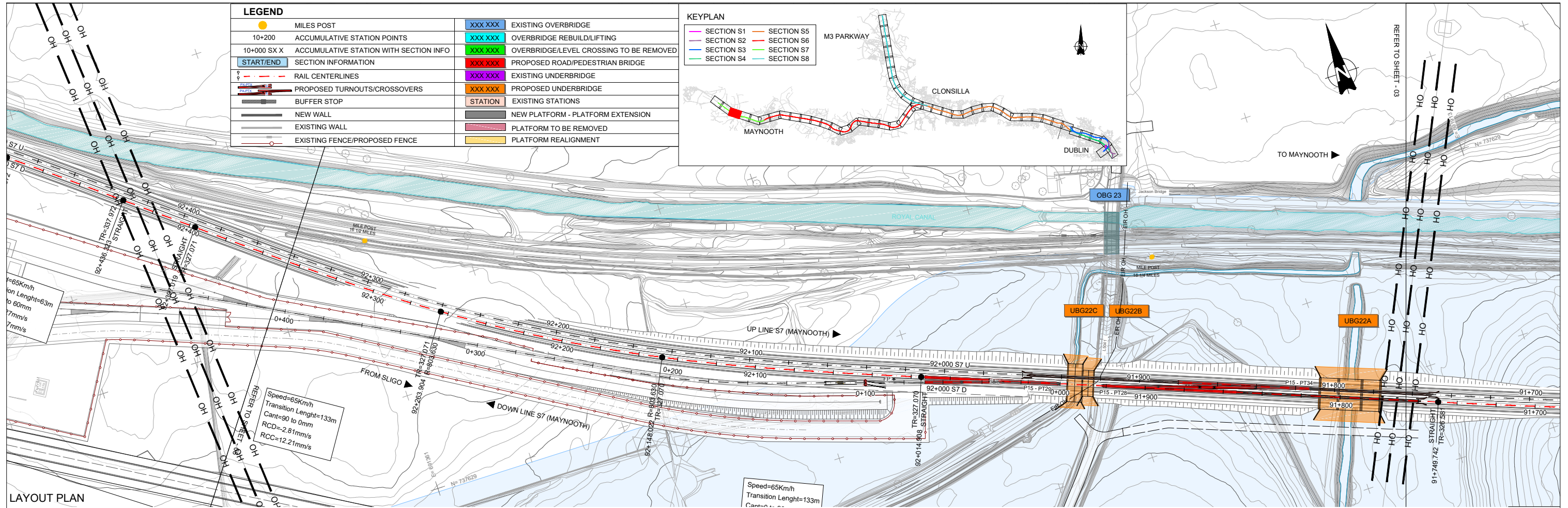
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LEGEND	
●	MILES POST
10+200	ACCUMULATIVE STATION POINTS
10+000 SX X	ACCUMULATIVE STATION WITH SECTION INFO
START/END	SECTION INFORMATION
—	RAIL CENTERLINES
—	PROPOSED TURNOUTS/CROSSOVERS
—	BUFFER STOP
—	NEW WALL
—	EXISTING WALL
—	EXISTING FENCE/PROPOSED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



LONGITUDINAL PROFILE HS 1:1000 VS 1:200 CHAINAGE T.O.R. DESIGN CURRENT T.O.R. CUT / FILL DEPTHS VERTICAL CANT HORIZONTAL			Client 			Project 			Drawing Title PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S7 DOWNLINE		
PRODUCED BY REVIEWED BY APPROVED BY SDR MRI CCH			Consultant 			Scale: 1:1000 @ A1 1:2000 @ A3 			Drawing Number Project Originator Discipline Location Type Role Number Phase MAY MDC TRK SC07 DR C 0004 D		
REV. DATE DESCRIPTION			Date: April 2022			Job No: P/101086			Status: F1-Approved & accepted		
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Tallaght College (TLG1).			Sheet: 03 of 06			Rev: V01			Date: April 2022		



LAYOUT PLAN

PROFILES LEGEND

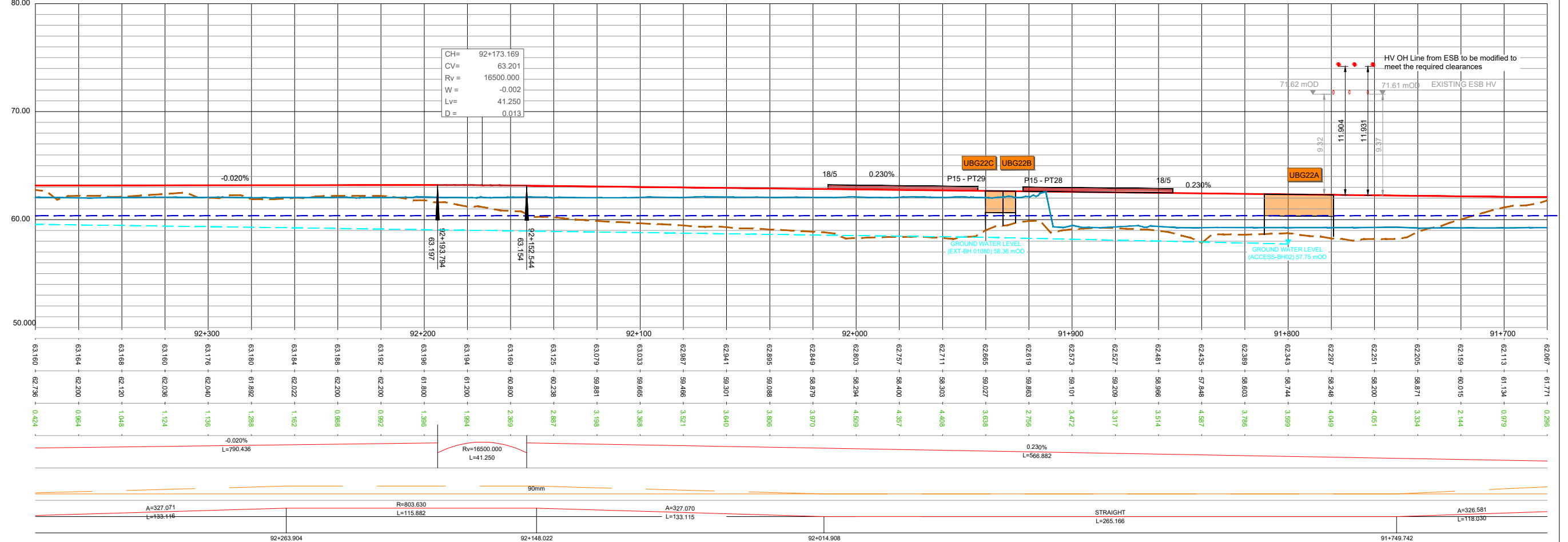
- T.O.R. Design
- Current T.O.R.
- Ground Level
- Royal Canal
- Flood level
- Station Platforms
- Existing Crossover/Turnout
- Proposed Crossover/Turnout
- ESB HV Overhead
- Electrical Services LV UG
- Gas Services
- IW Water Main
- IW Water Foul/Storm Water
- Telecom Services

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.

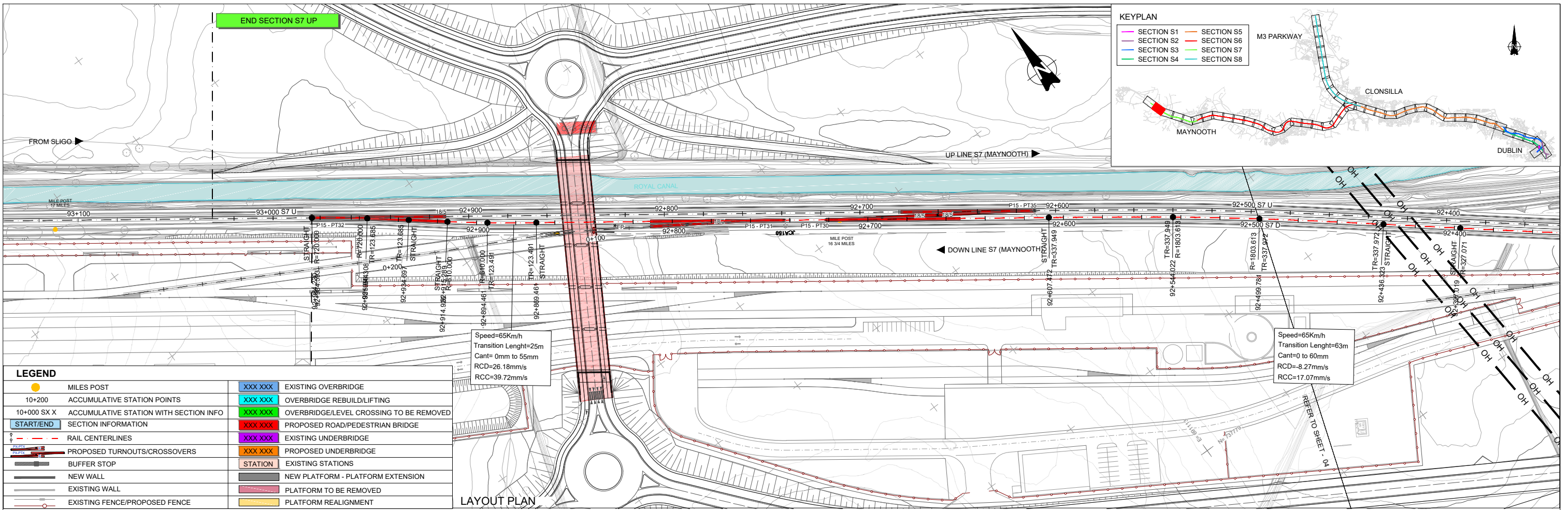
2. A VERIFICATION OF THE DEPTH OF THE EXISTING SERVICES CROSSING THE LINE AND THE RELATED PROTECTION /DIVERSION ACTIONS IS PENDING. SERVICES IN THE LONG SECTION ARE SHOWN INDICATIVELY WITH REASONABLE ACCURACY IN THEIR HORIZONTAL LOCATION. THE VERTICAL DEPTH IS INDICATIVE AND ONLY CLEARLY SPECIFIED WHEN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

HS 1:1000 VS 1:200	CHAINAGE		LEVELS
	T.O.R. DESIGN	CURRENT T.O.R.	
	63.160	62.736	
	63.164	62.200	0.964
	63.168	62.120	1.048
	63.160	62.036	1.124
	63.176	62.040	1.136
	63.180	61.992	1.188
	63.184	62.022	1.162
	63.188	62.200	0.988
	63.192	62.200	0.992
	63.196	61.800	1.396
	63.194	61.200	1.994
	63.169	60.800	2.369
	63.125	60.238	2.887
	63.079	59.881	3.188
	63.033	59.605	3.388
	62.987	59.466	3.527
	62.941	59.301	3.640
	62.895	59.088	3.806
	62.849	58.879	3.970
	62.803	58.294	4.509
	62.757	58.400	4.357
	62.711	58.303	4.408
	62.665	59.027	3.638
	62.619	59.863	2.756
	62.573	59.101	3.472
	62.527	59.209	3.317
	62.481	58.986	3.494
	62.435	57.848	4.587
	62.389	58.603	3.786
	62.343	58.244	3.999
	62.297	58.248	4.049
	62.251	58.200	4.051
	62.205	58.871	3.334
	62.159	60.015	2.144
	62.113	61.134	0.979
	62.067	61.771	0.286

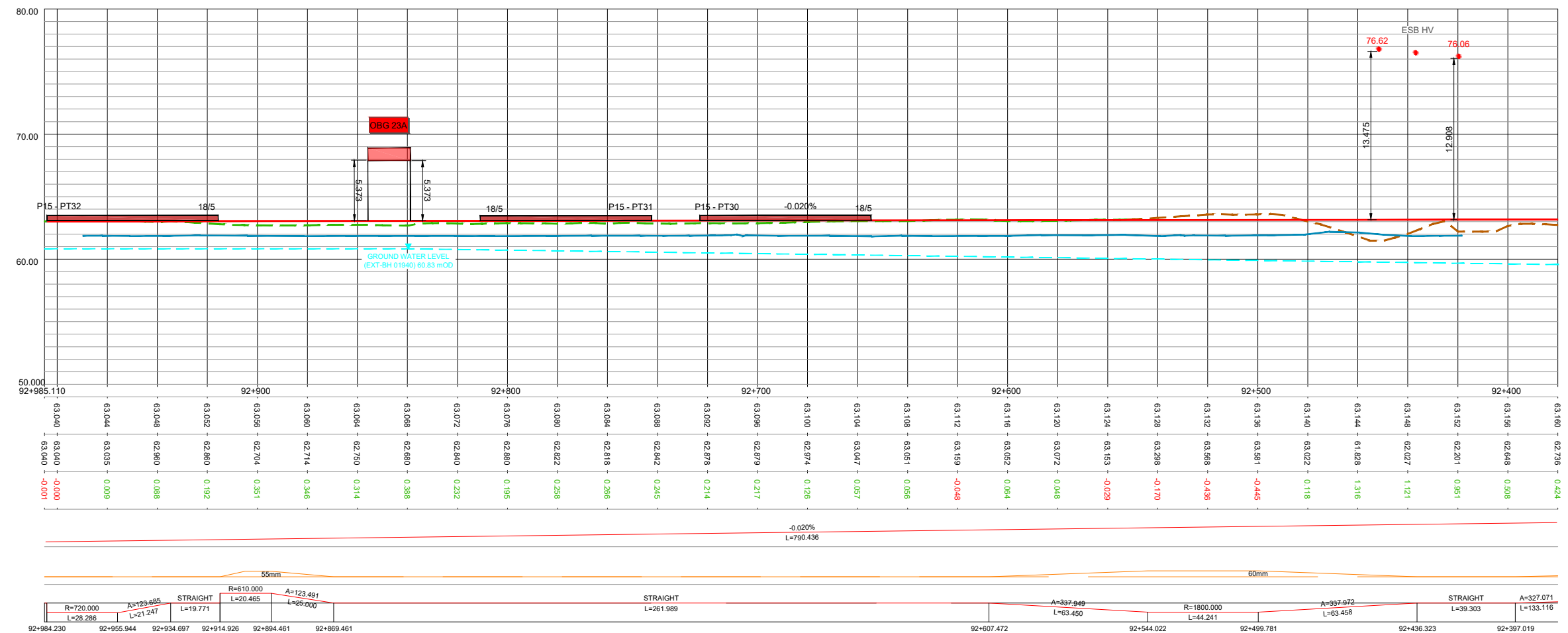


LONGITUDINAL PROFILE

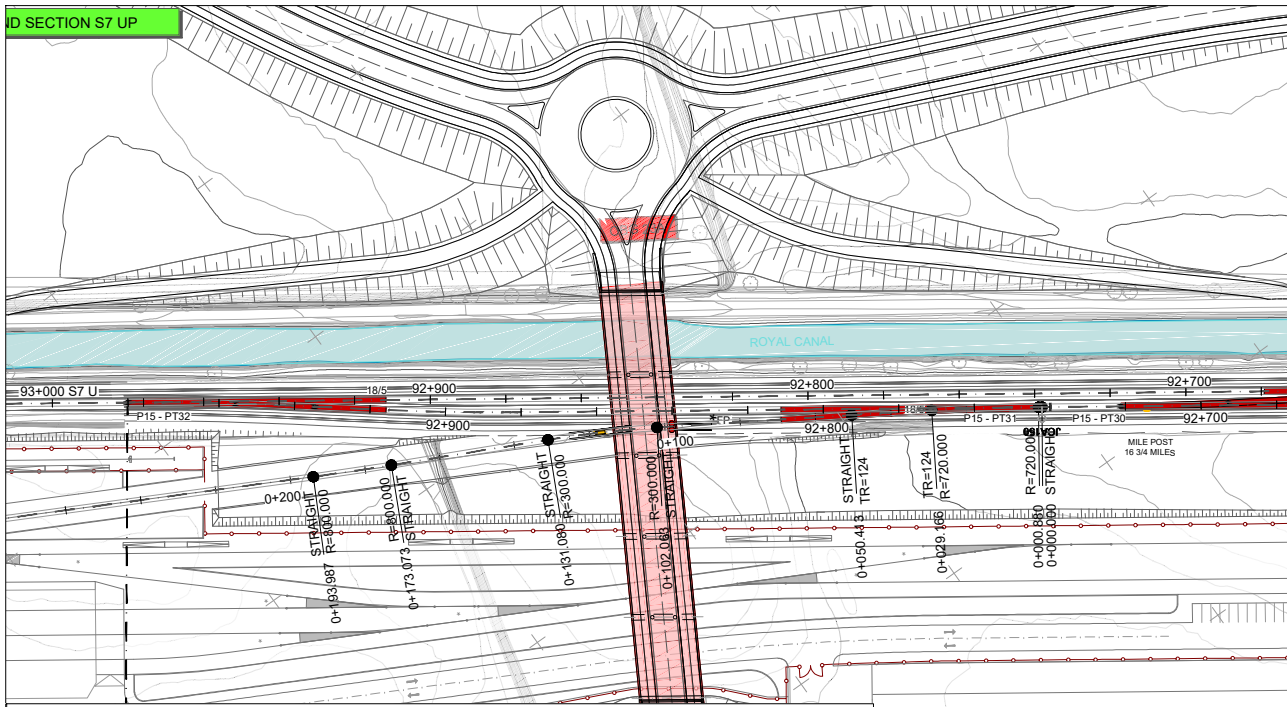
Client	Project	Drawing Title	PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S7 DOWNLINE								
Consultant	Scale:	Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase	
IDOM	1:1000 @ A1 1:2000 @ A3	MAY MDC TRK SC07 DR C 0004 D	MAY MDC TRK	SC07	DR	C	0004	D			
SDR	Date:	Status:	Rev:								
MRI	April 2022	F1-Approved & accepted	V01								
CCH	Job No:	Rev:									
	P/101086	V01									
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- 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**
- 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.
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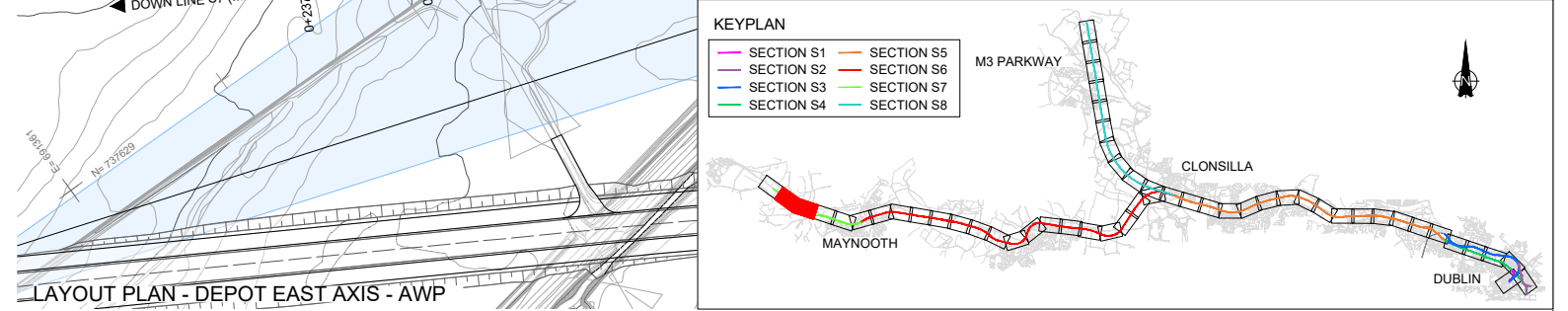
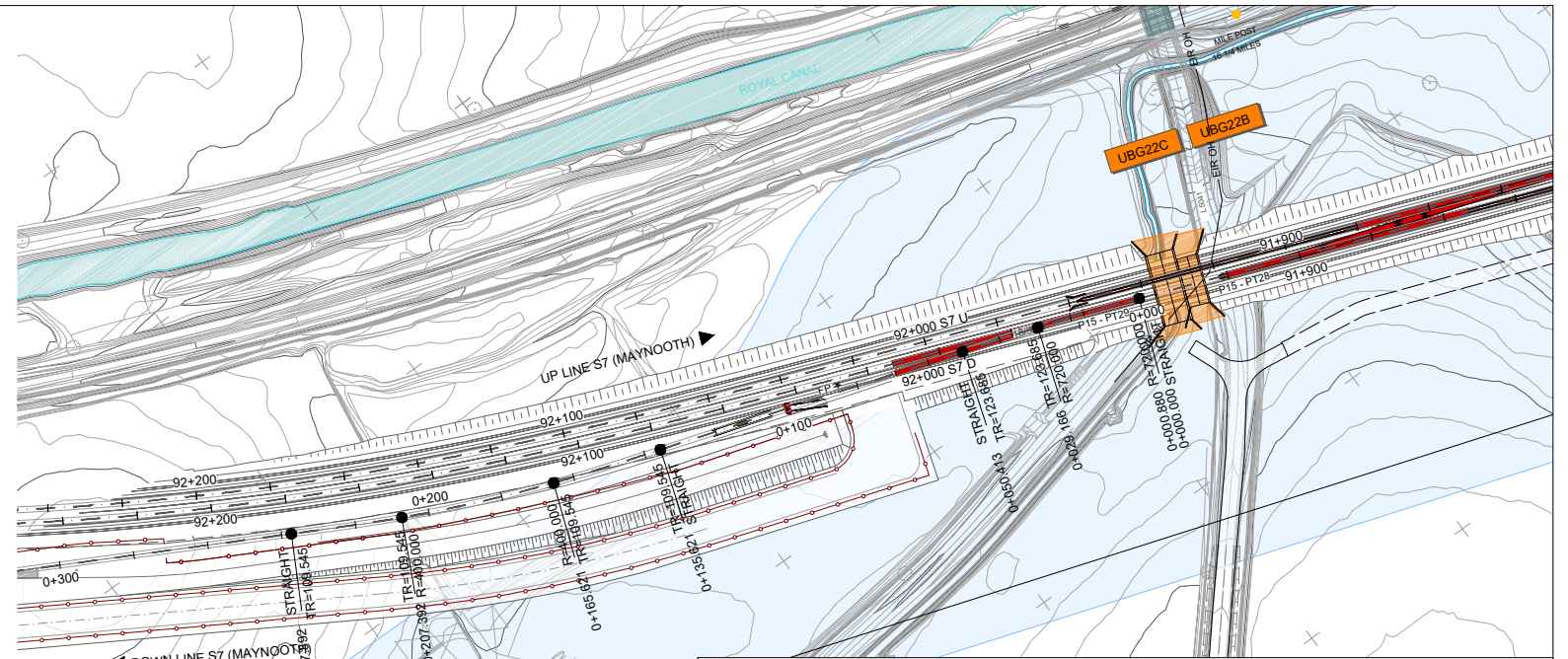
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						PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S7 DOWNLINE		
Consultant:			Scale: 1:1000 @ A1 1:2000 @ A3			Drawing Number Project Originator Discipline Location Type Role Number Phase MAY MDC TRK SC07 DR C 0004 D		
REV. DATE DESCRIPTION V01 April 2022 PLANNING ISSUE PRODUCED BY REVIEWED BY APPROVED BY SDR MRI CCH			Date: April 2022 Job No: P/101086 Status: Ft-Approved & accepted Rev: V01 Sheet: 05 of 06					



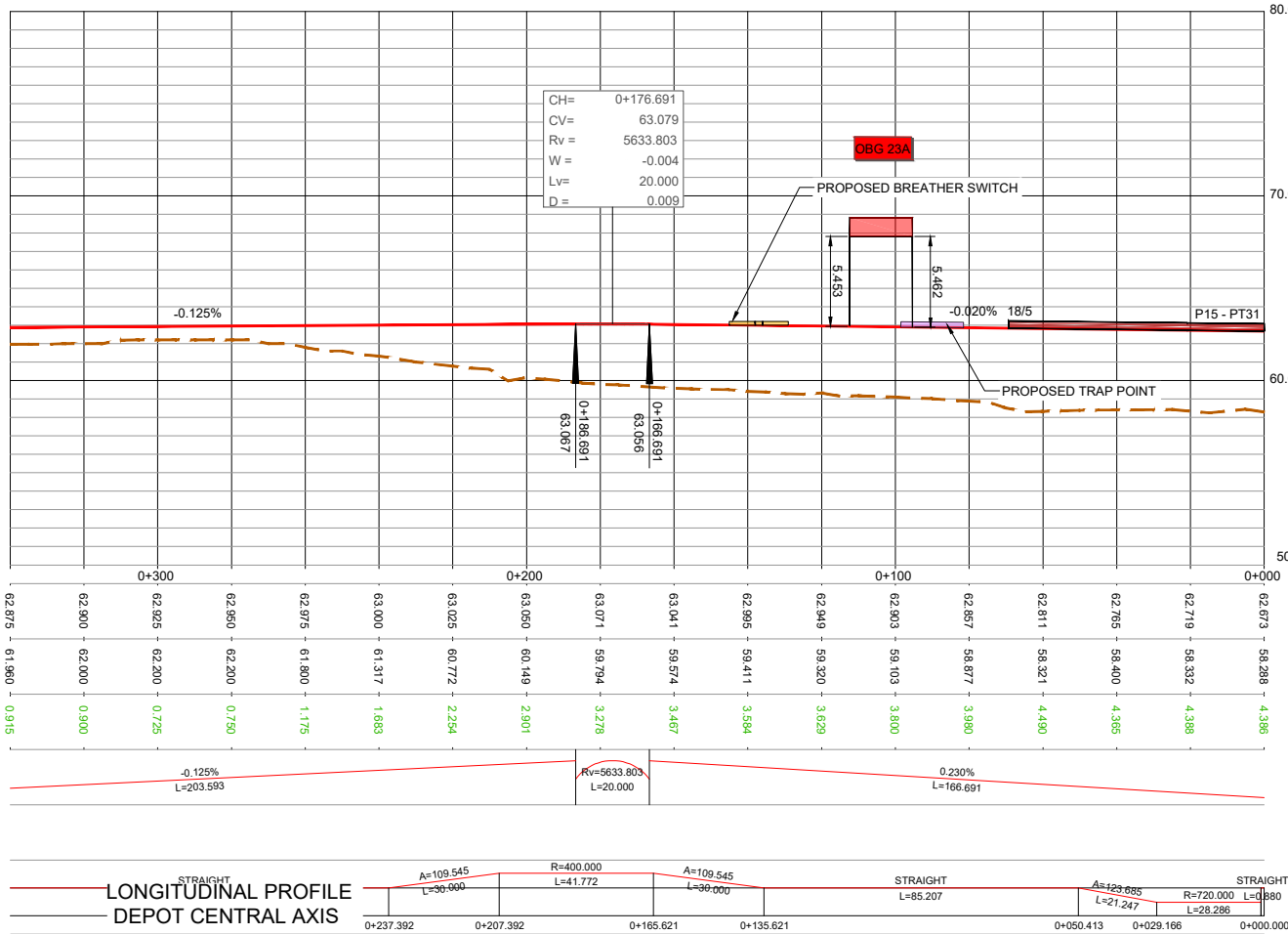
LEGEND

●	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	—	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



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

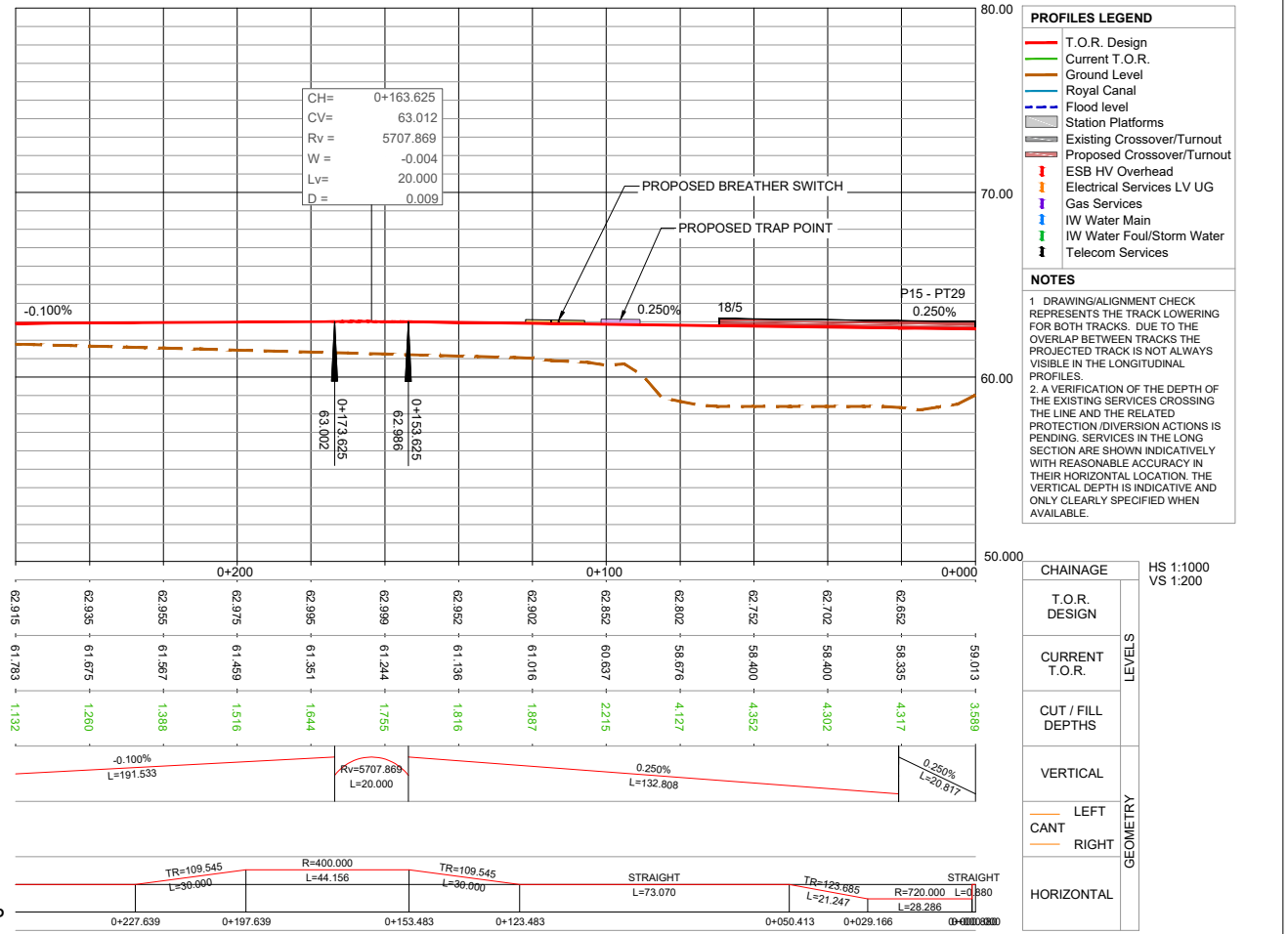
- DRAWING/ALIGNMENT CHECK REPRESENTS THE TRACK LOWERING FOR BOTH TRACKS. DUE TO THE OVERLAP BETWEEN TRACKS THE PROJECTED TRACK IS NOT ALWAYS VISIBLE IN THE LONGITUDINAL PROFILES.
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CHAINAGE

CHAINAGE	T.O.R. DESIGN	CURRENT T.O.R.	CUT / FILL DEPTHS	VERTICAL	CANT	GEOMETRY
0+300	62.975	62.900	0.915	-0.125%	LEFT	STRAIGHT
0+200	63.000	62.200	0.725	0.230%	RIGHT	STRAIGHT
0+100	62.905	62.877	0.028	0.230%	RIGHT	STRAIGHT
0+000	62.873	62.828	0.045	0.230%	RIGHT	STRAIGHT

LONGITUDINAL PROFILE - DEPOT CENTRAL AXIS

0+237.392	0+207.392	0+165.621	0+135.621	0+050.413	0+029.166	0+000.000
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CHAINAGE

CHAINAGE	T.O.R. DESIGN	CURRENT T.O.R.	CUT / FILL DEPTHS	VERTICAL	CANT	GEOMETRY
0+300	62.915	61.783	1.132	-0.100%	LEFT	STRAIGHT
0+200	62.955	61.567	1.388	0.250%	RIGHT	STRAIGHT
0+100	62.975	61.459	1.516	0.250%	RIGHT	STRAIGHT
0+000	62.952	61.338	1.614	0.250%	RIGHT	STRAIGHT

LONGITUDINAL PROFILE - DEPOT EAST AXIS - AWP

0+227.639	0+197.639	0+153.483	0+123.483	0+050.413	0+029.166	0+000.000
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Client

Tionscald Eireann 2040

Project

lamrod Eireann Irish Rail

Consultant

IDOM

Project

DART+ West

Drawing Title

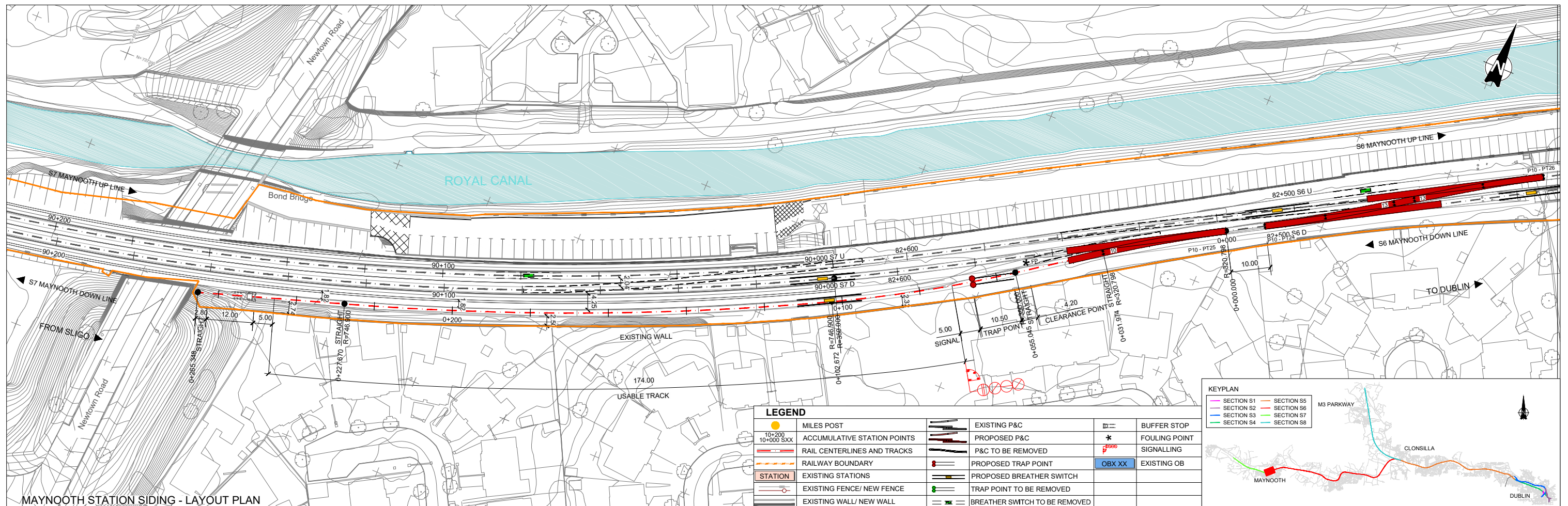
PERMANENT WAY DESIGN
MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES, ACCESS TO DEPOT
DEPOT EAST AXIS - AWP; DEPOT CENTRAL AXIS

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

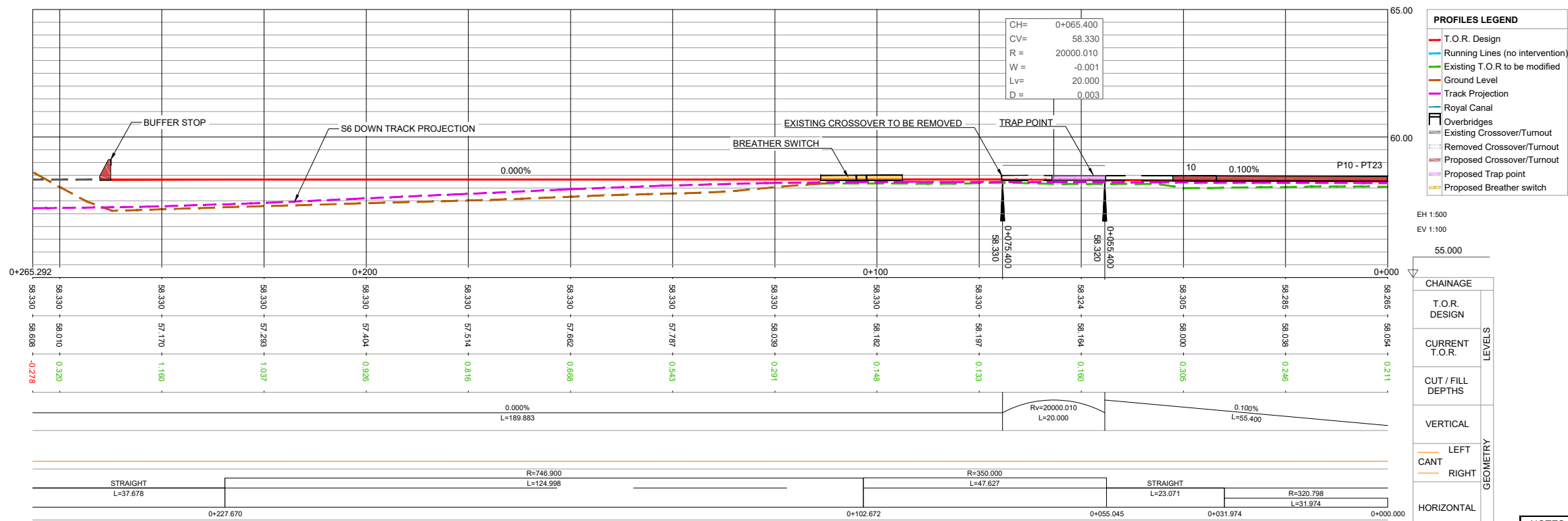
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC TRK SC07 DR C 0004 D

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

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Survey No. 6039720 (OSI Aerial Data or OS Lidar Data) & Survey No. 202005L_NMA_180 (OSI Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL14).



MAYNOOTH STATION SIDING - LAYOUT PLAN



MAYNOOTH STATION SIDING - LONGITUDINAL PROFILE

<p>Client</p>			<p>Project</p>			<p>Drawing Title</p> <p>PERMANENT WAY DESIGN MAYNOOTH TO DEPOT. SIDING MAYNOOTH STATION SIDING</p>		
<p>Consultant</p>			<p>Scale:</p> <p>1:500 @ A1-XL 1:1000 @ A3</p>			<p>Drawing Number Project Originator Discipline Location Type Role Number Phase</p> <p>MAY MDC TRK SC07 DR C 0005 D</p>		
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