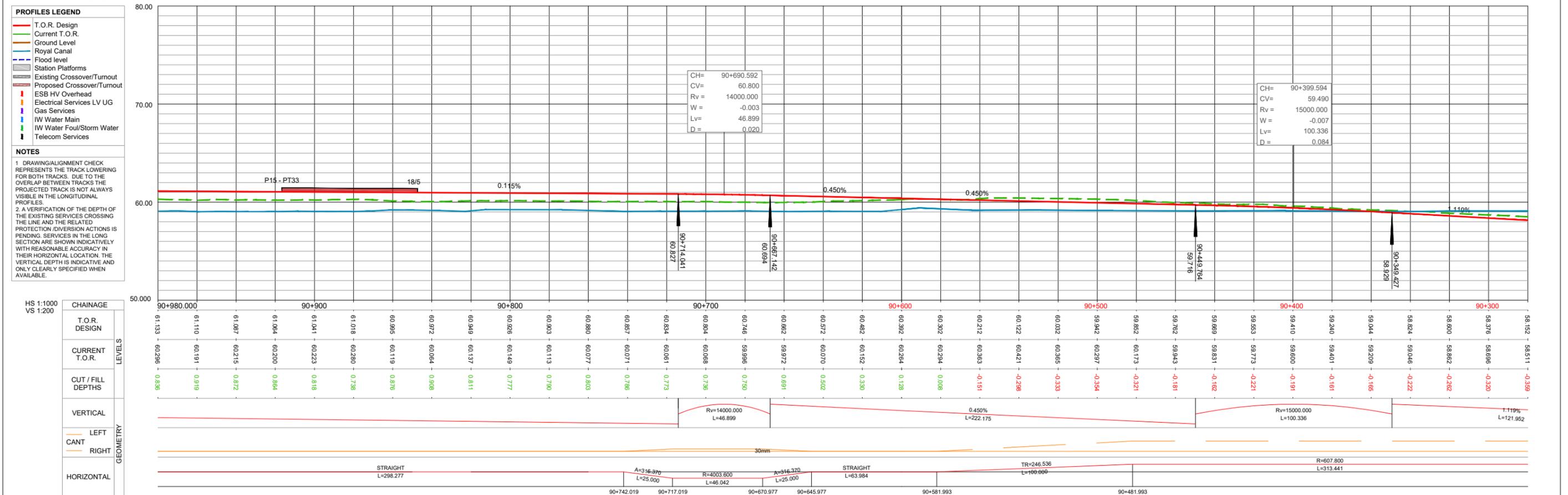
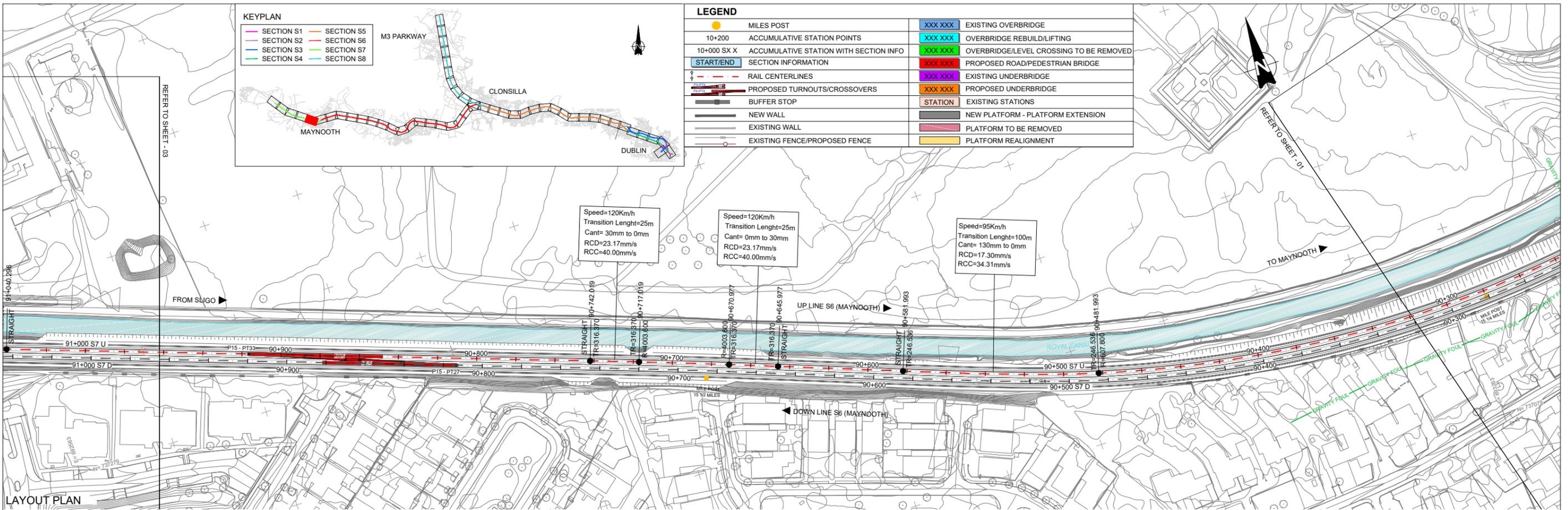


Client			Project			Drawing Title		
Tionscail Éireann Project Ireland 2040			Iamród Éireann Irish Rail			PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP SECTION S6-S7 UPLINE		
Consultant			Project			Drawing Number		
IDOM			DART+ West			MAY MDC TRK SC07 DR C 0003 D		
Client			Project			Drawing Title		
V01 April 2022 PLANNING ISSUE			SDR MRI CCH			Scale:		
REV. DATE DESCRIPTION			PRODUCED BY REVIEWED BY APPROVED BY			1:1000 @ A1 1:2000 @ A3		
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Survey No. 6039720 (OSI Aerial Data or OS Lidar Data) & Survey No. 2020058_NMA_180 (OSI Vector Data)			All elevations are in metres and relate to OS Geoid Mean (OSGM02) Mean Head as defined by existing Project Control.			Job No: P/101086		
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL49).			© 2022 IDOM			Status: F1-Approved & accepted		
			G3			Rev: V01		
			IROD			Sheet: 01 of 05		



**LONGITUDINAL PROFILE**

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 S7 UPLINE

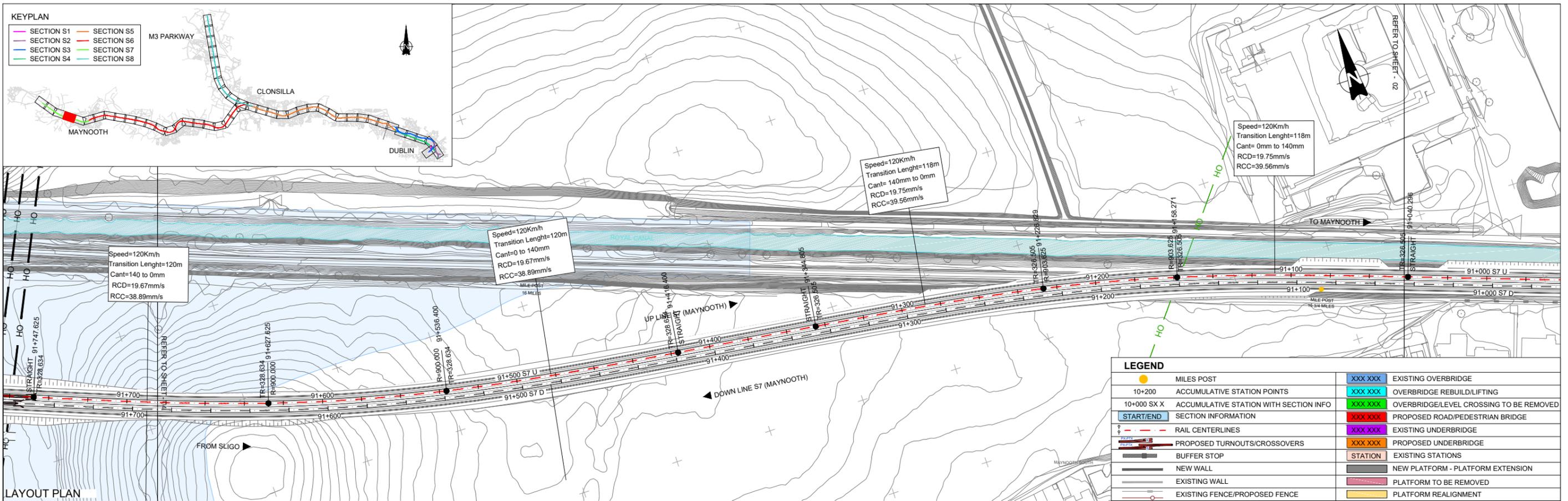
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Drawing Number: MAY MDC TRK SC07 DR C 0003 D

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

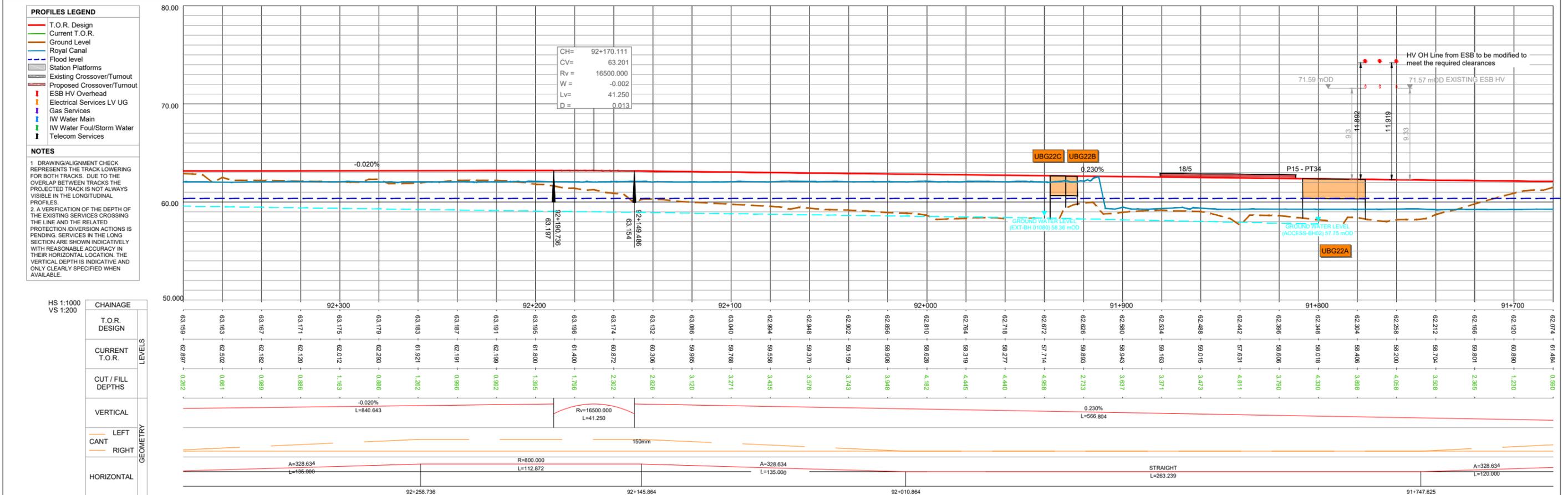
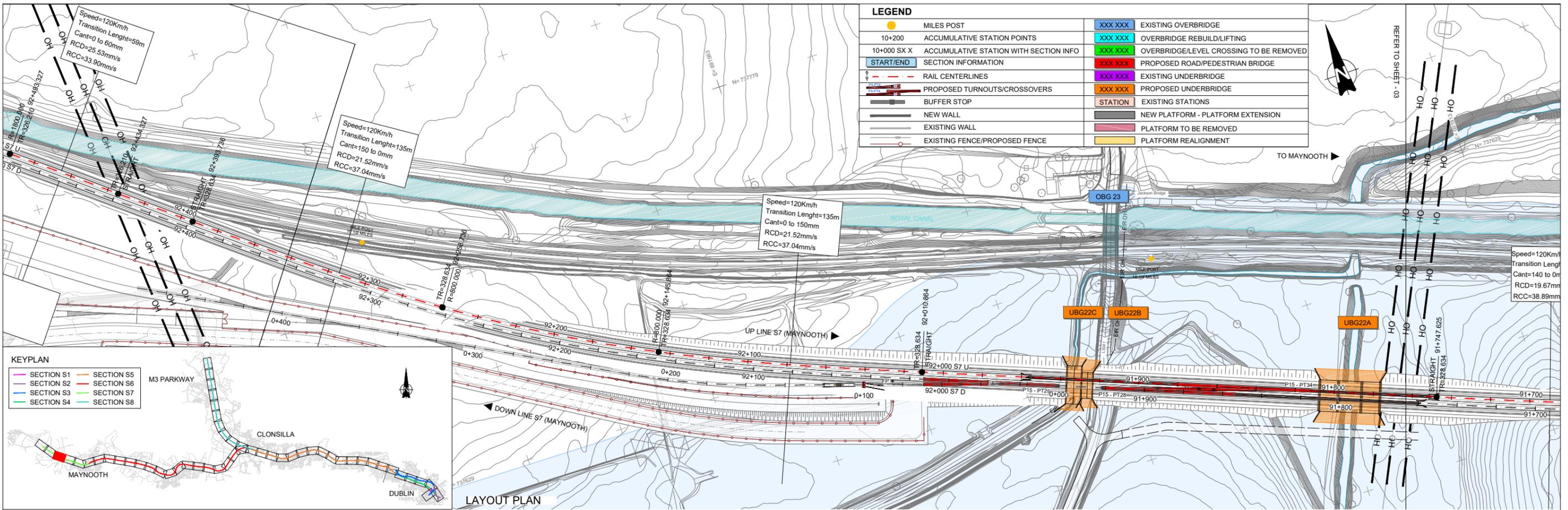
Consultant: IDOM, G3, IROD

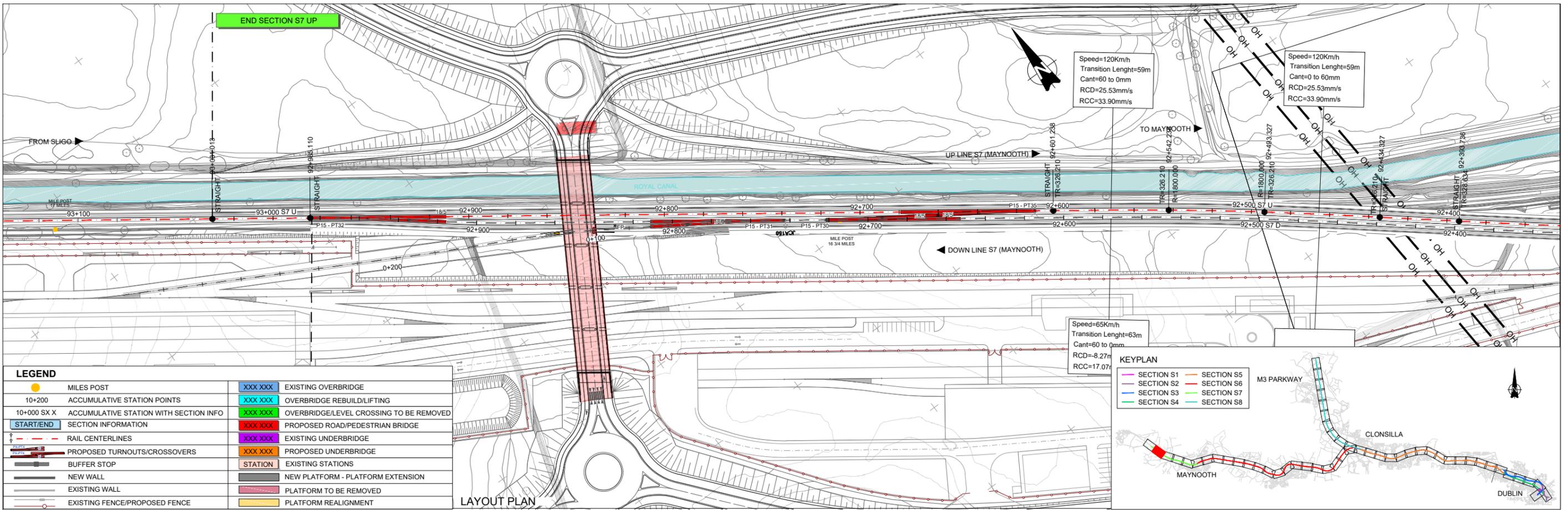
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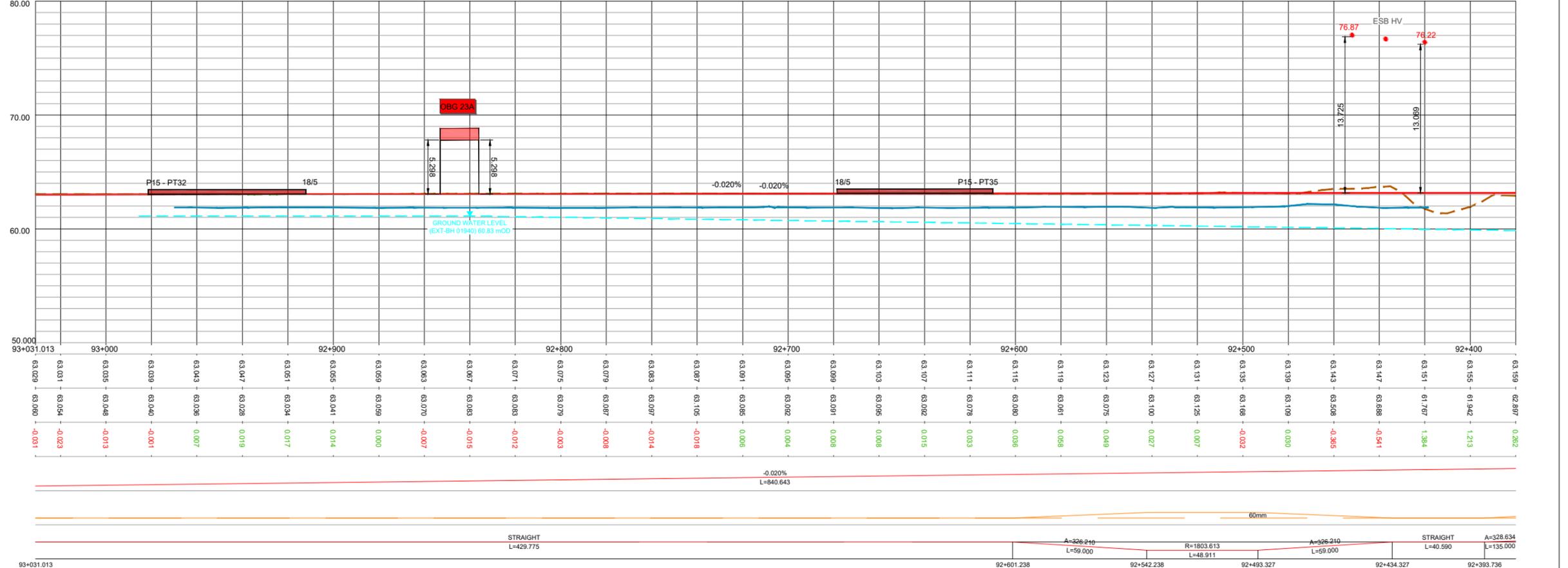
**LONGITUDINAL PROFILE**

Client		Project		Drawing Title	PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP SECTION S7 UPLINE		
Consultant				Scale:	1:1000 @ A1 1:2000 @ A3		
REV. DATE DESCRIPTION	SDR MRI CCH	Produced by	Reviewed by	Approved by	Drawing Number	Project   Originator   Discipline   Location   Type   Role   Number   Phase	
V01 April 2022 PLANNING ISSUE					MAY MDC TRK SC07 DR C 0003	D	
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All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.				Sheet:	03 of 05		
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL4,G).							





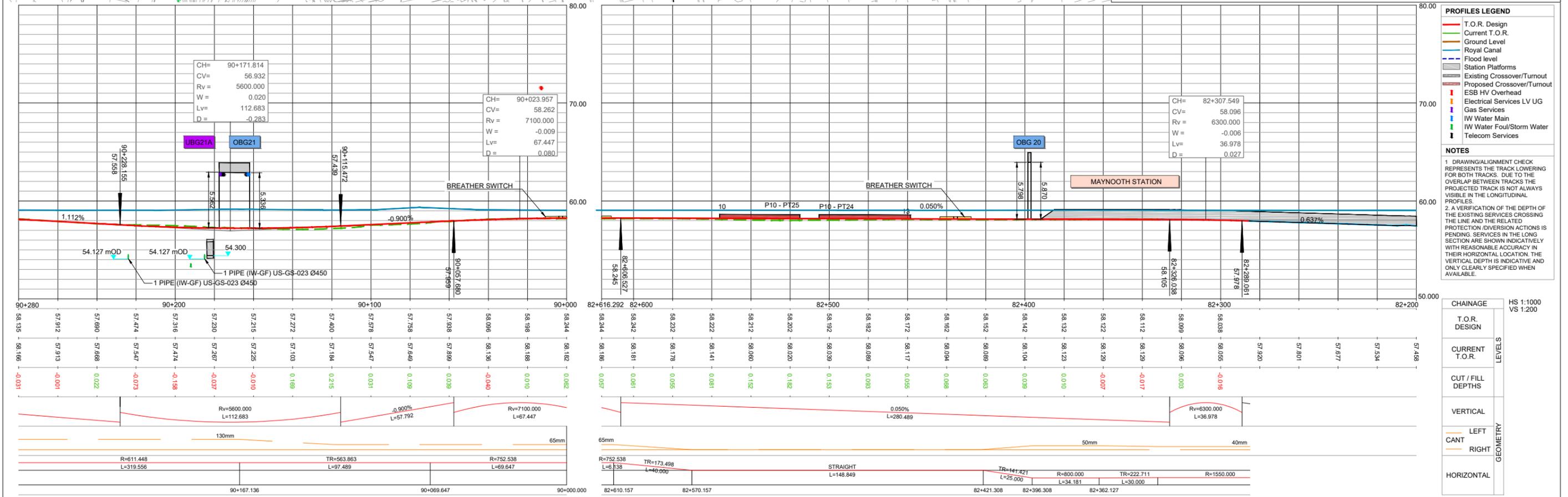
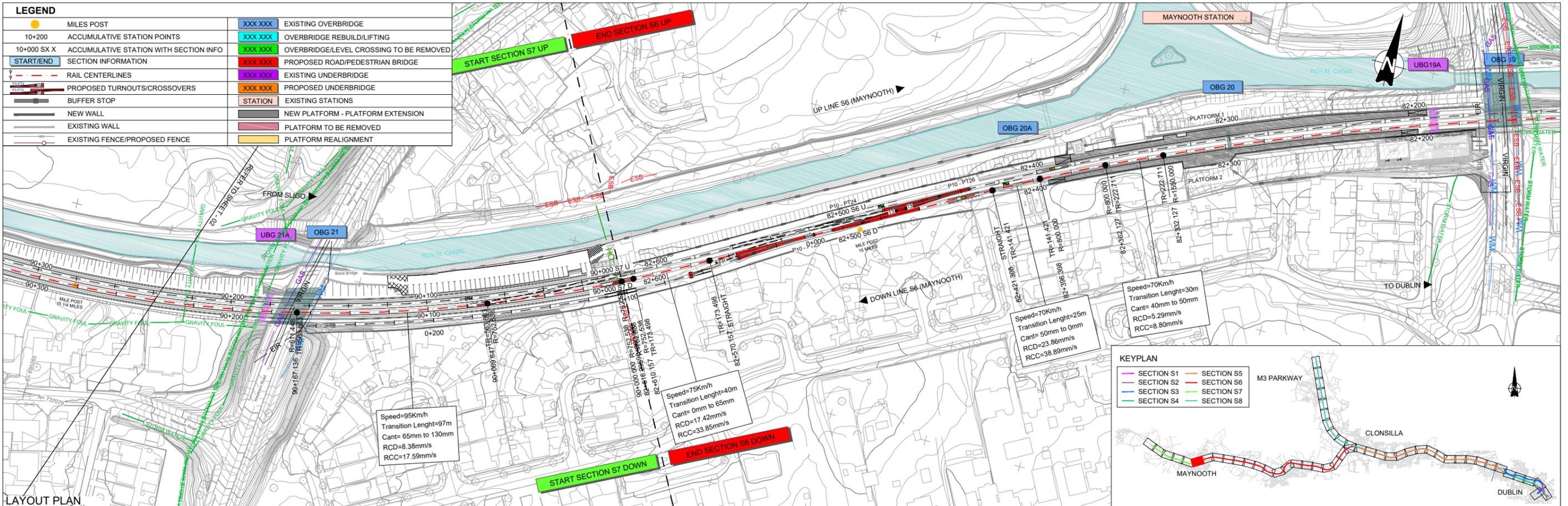
- PROFILES LEGEND**
- T.O.R. Design
  - Current T.O.R.
  - Ground Level
  - Royal Canal
  - Flood level
  - Station Platforms
  - Existing Crossover/Turnout
  - Proposed Crossover/Turnout
  - ESB HV Overhead
  - Electrical Services LV UG
  - Gas Services
  - IW Water Main
  - IW Water Foul/Storm Water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

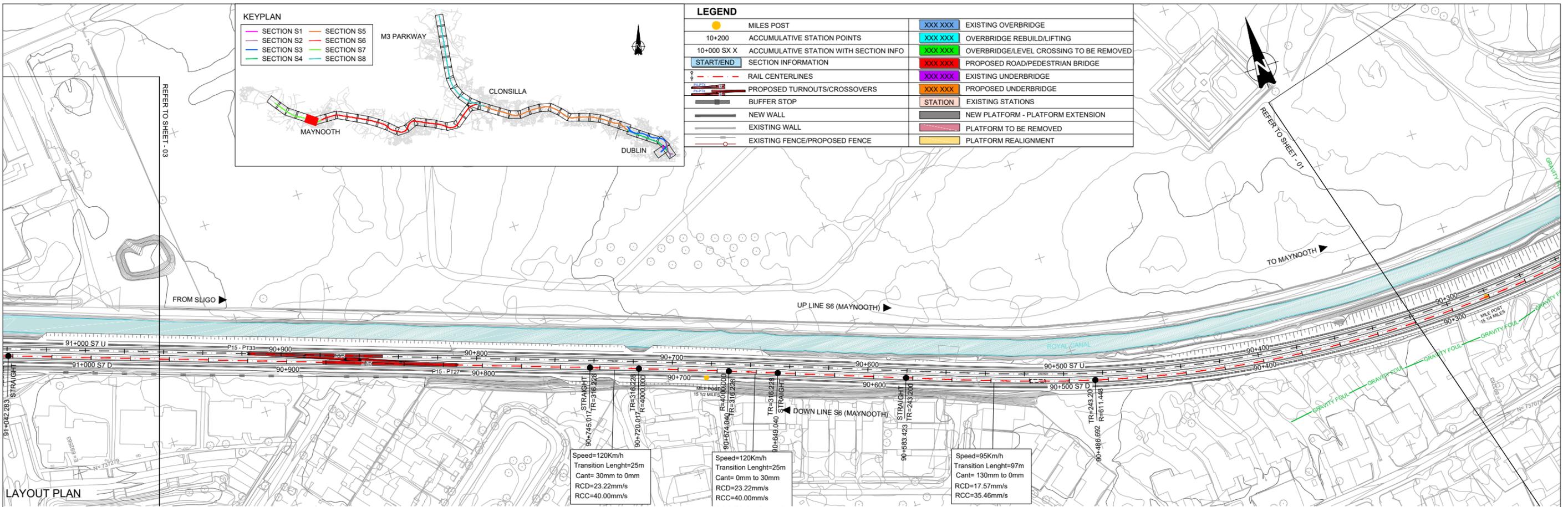
Client	Tionscaldal Éireann Project Ireland 2040	NTA Údarás Náisiúnta Ionadair National Transport Authority	lamród Éireann Irish Rail
Project	DART+ West		
Drawing Title	PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. UP SECTION S7 UPLINE		
Scale:	1:1000 @ A1	1:2000 @ A3	
Drawing Number	Project	Originator	Discipline
Date:	Job No:	Status:	Rev:

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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		
Consultant	IDOM	G3	PROJOD
Project	DART+ West		
Drawing Title	PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S6-S7 DOWNLINE		
Scale:	1:1000 @ A1 1:2000 @ A3		
Drawing Number	Project	Discipline	Location   Type   Role   Number   Phase
Date:	Job No:	Status:	Rev: V01
April 2022	P/101086	F1-Approved & accepted	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

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

Drawing Number: P/101086

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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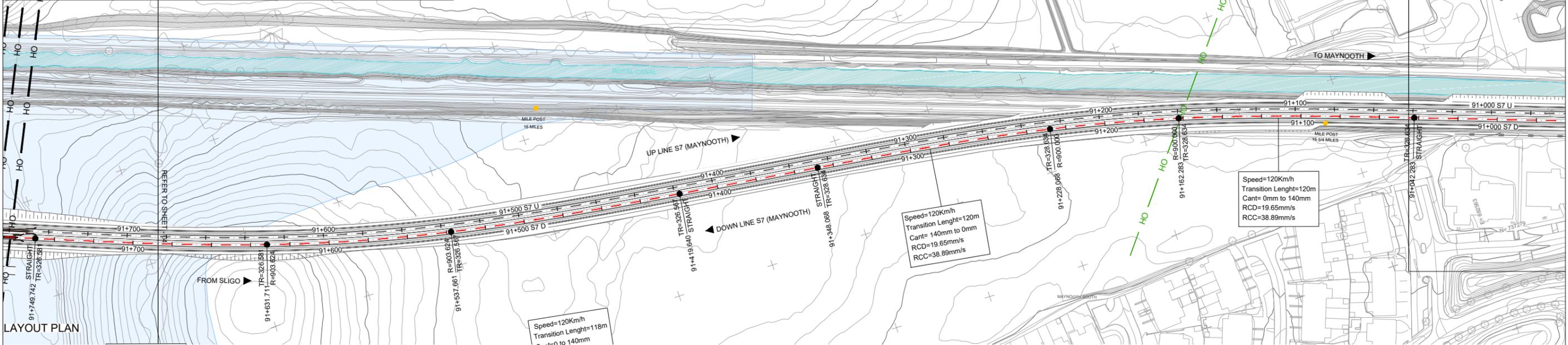
**KEYPLAN**

SECTION S1 SECTION S5  
SECTION S2 SECTION S6  
SECTION S3 SECTION S7  
SECTION S4 SECTION S8

M3 PARKWAY  
CLONSILLA  
MAYNOOTH  
DUBLIN

**LEGEND**

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



**Client**

Tionscald Eireann Project Ireland 2040  
NTA Údarás Náisiúnta Iompartha National Transport Authority  
Iarnród Éireann Irish Rail

**Project**

DART+ West

**Drawing Title**

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

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

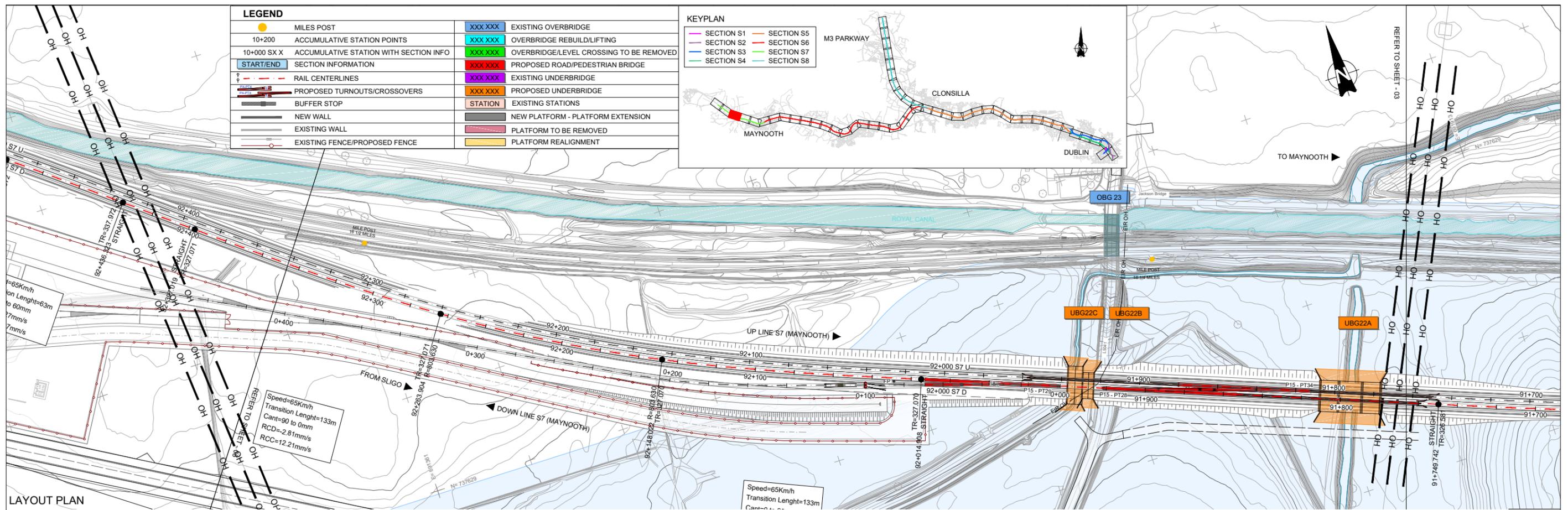
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MAY MDC TRK SC07 DR C 0004 D

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

**Consultant**

IDOM G3 IROD

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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 (TLG4).



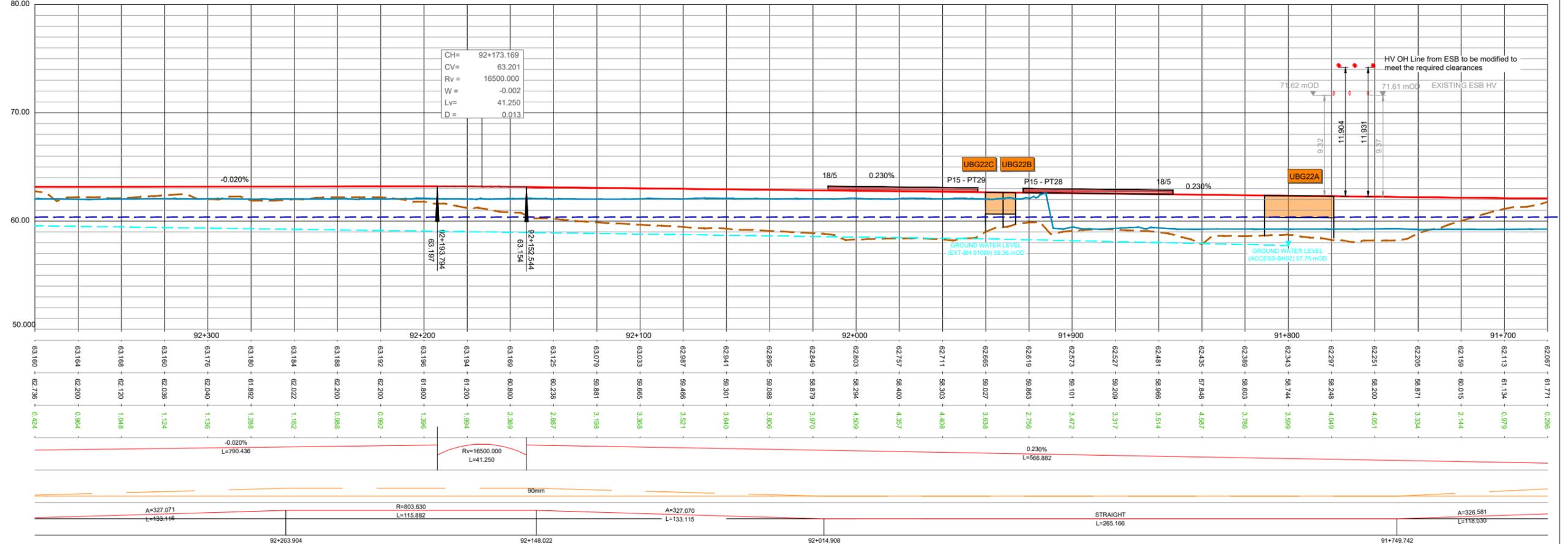
LAYOUT PLAN

**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 Fault/Storm Water
- Telecom Services

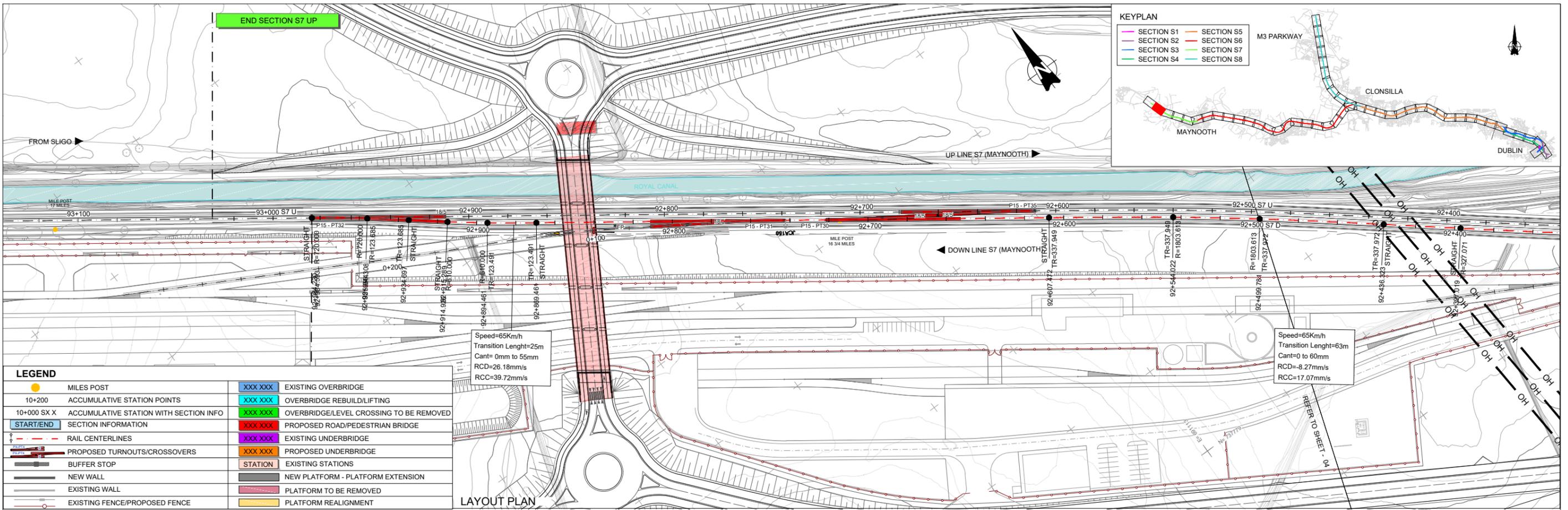
**NOTES**

- 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.

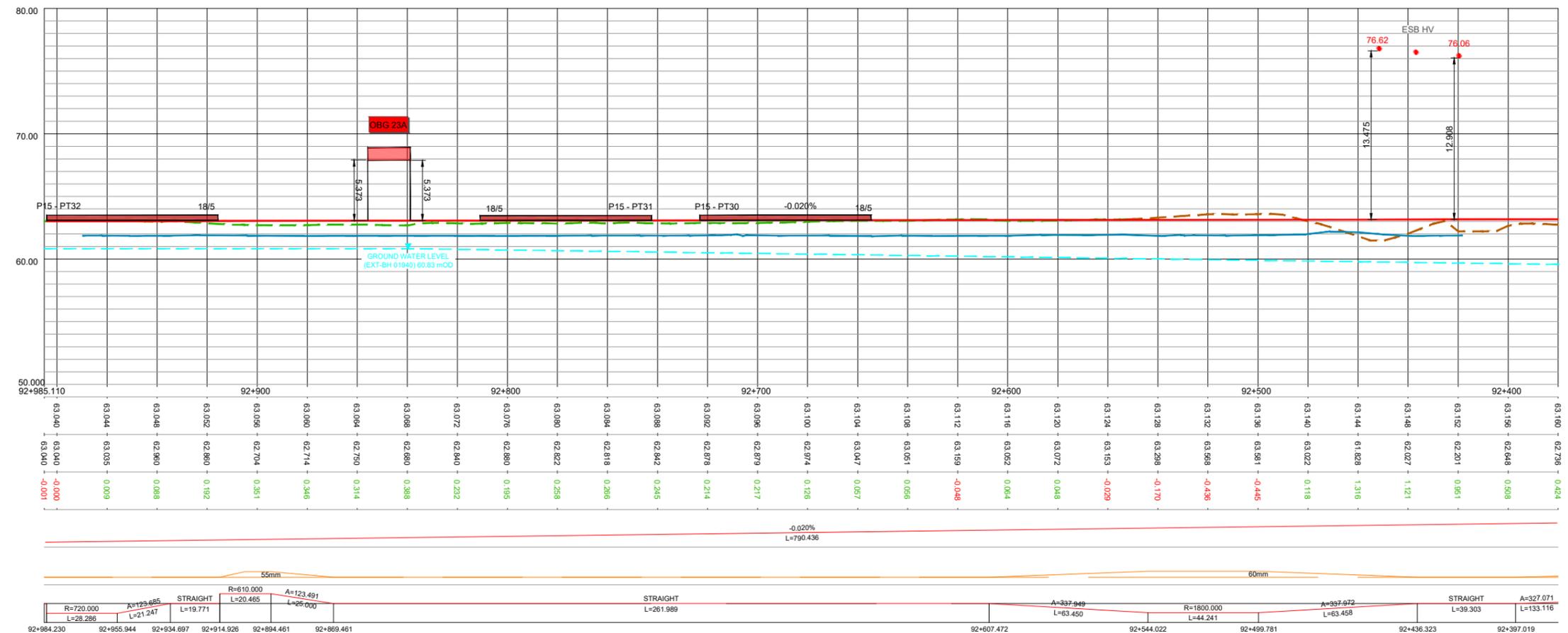


LONGITUDINAL PROFILE

Client		Project		Drawing Title	<p>PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES. DOWN SECTION S7 DOWNLINE</p>						
Consultant				Scale:	<p>1:1000 @ A1 1:2000 @ A3</p>						
<p>V01 April 2022 PLANNING ISSUE</p> <p>REV. DATE DESCRIPTION</p>	<p>SDR MRI CCH</p> <p>PRODUCED BY REVIEWED BY APPROVED BY</p>			Drawing Number	<p>Project   Originator   Discipline   Location   Type   Role   Number   Phase</p> <p>MAY MDC TRK SC07 DR C 0004 D</p>						
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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 Eireann Project Ireland 2040**, **NTA**, **Iarnród Eireann Irish Rail**

Project: **DART+ West**

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

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

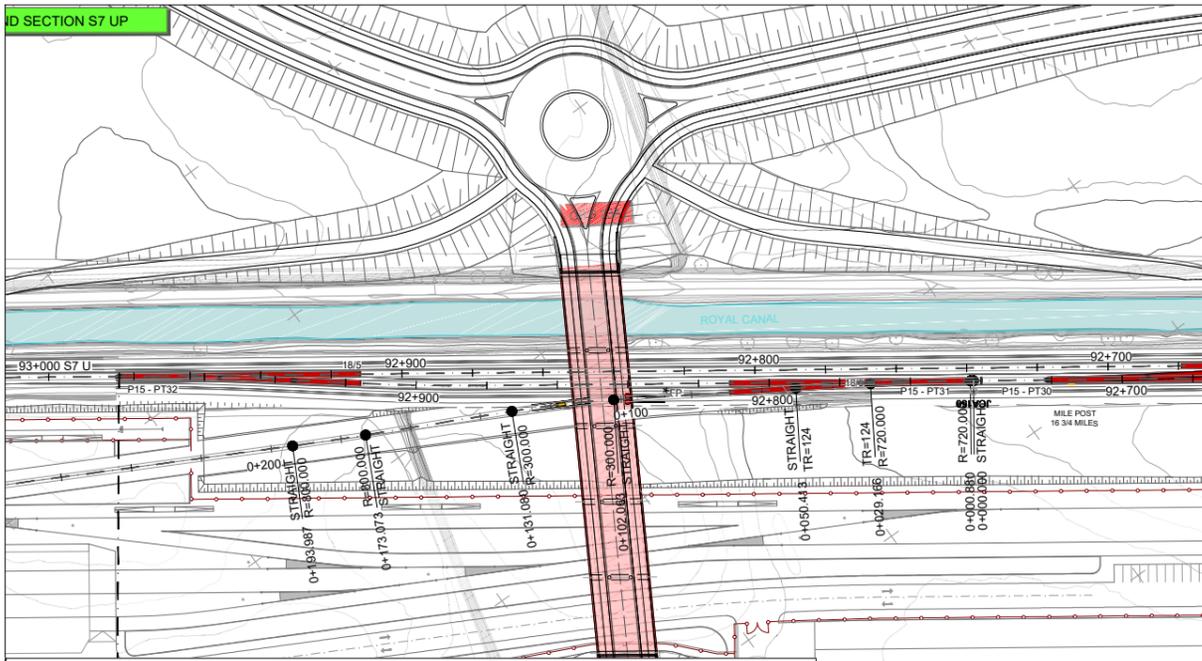
Drawing Number: **MAY MDC TRK SC07 DR C 0004 D**

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

Consultant: **IDOM**, **G3**, **IROD**

PRODUCTION: SDR, MRI, CCH

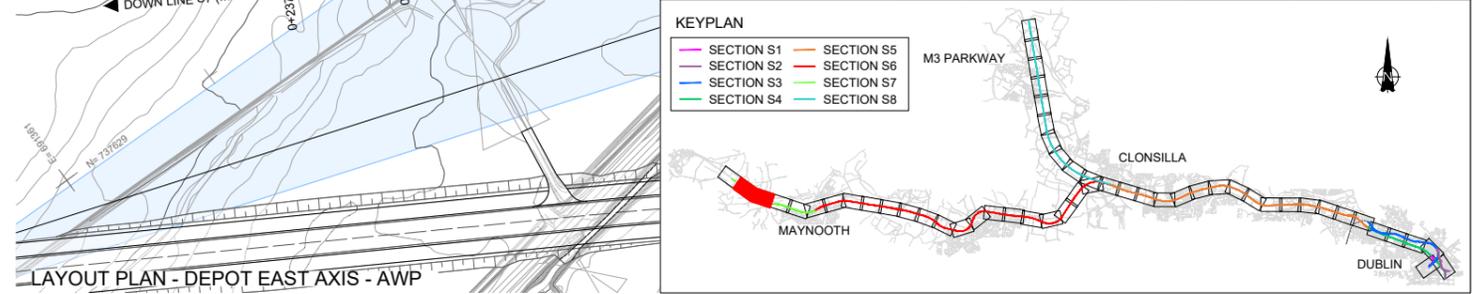
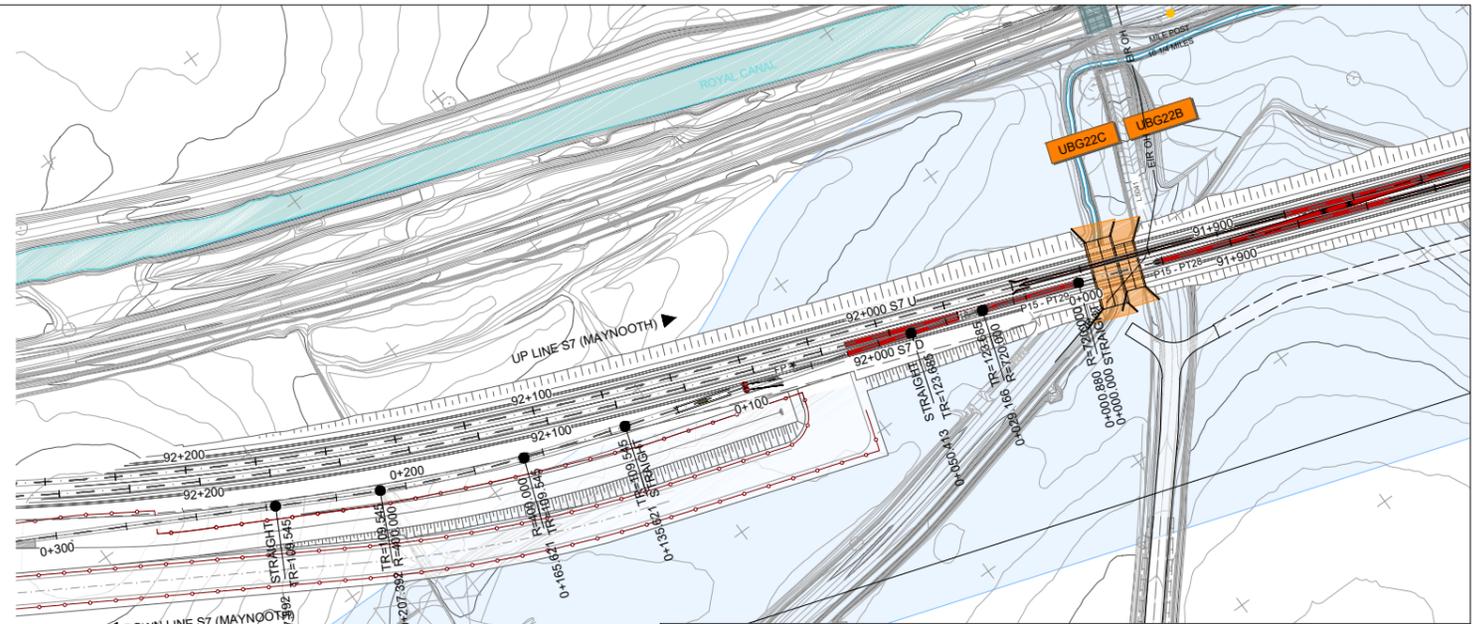
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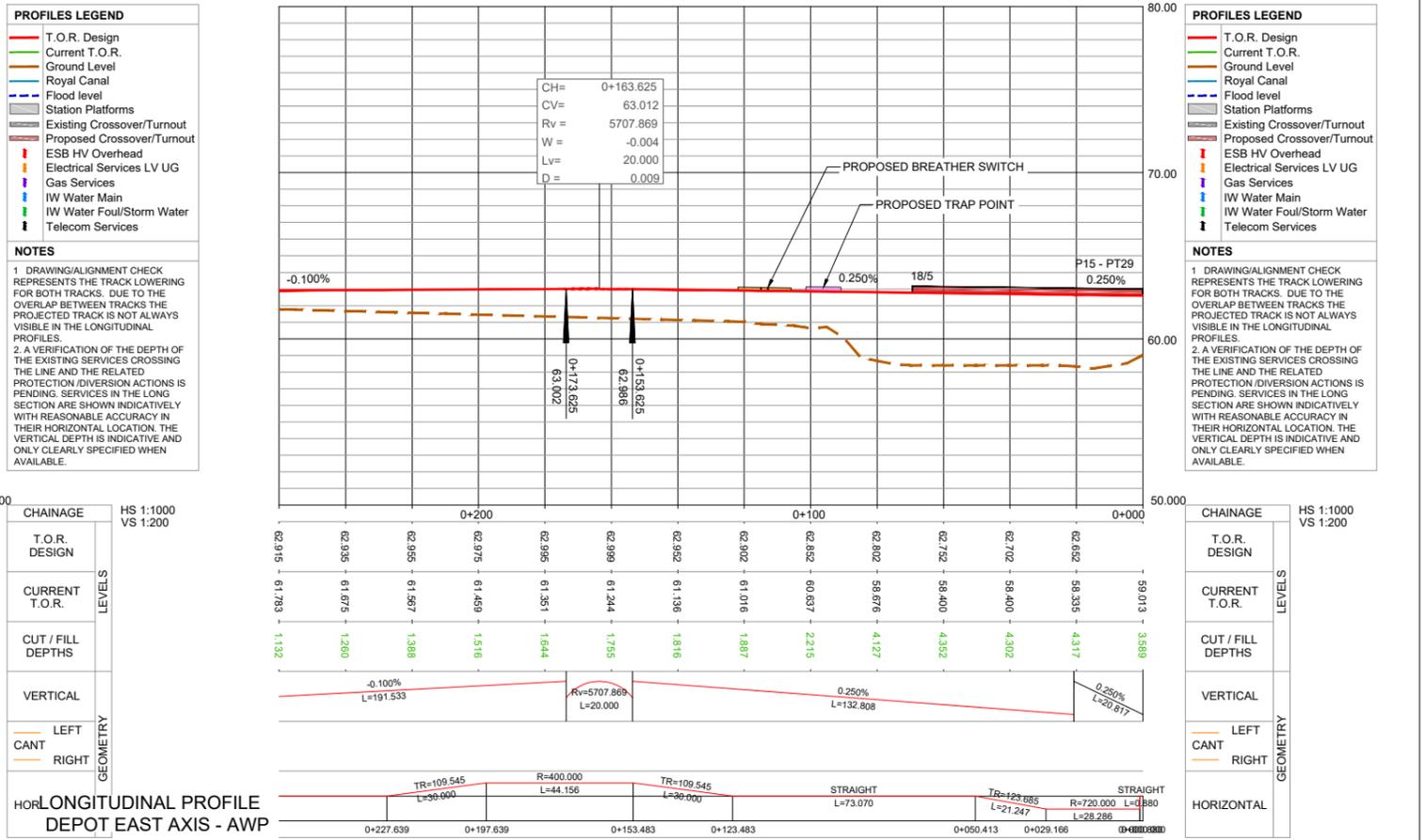
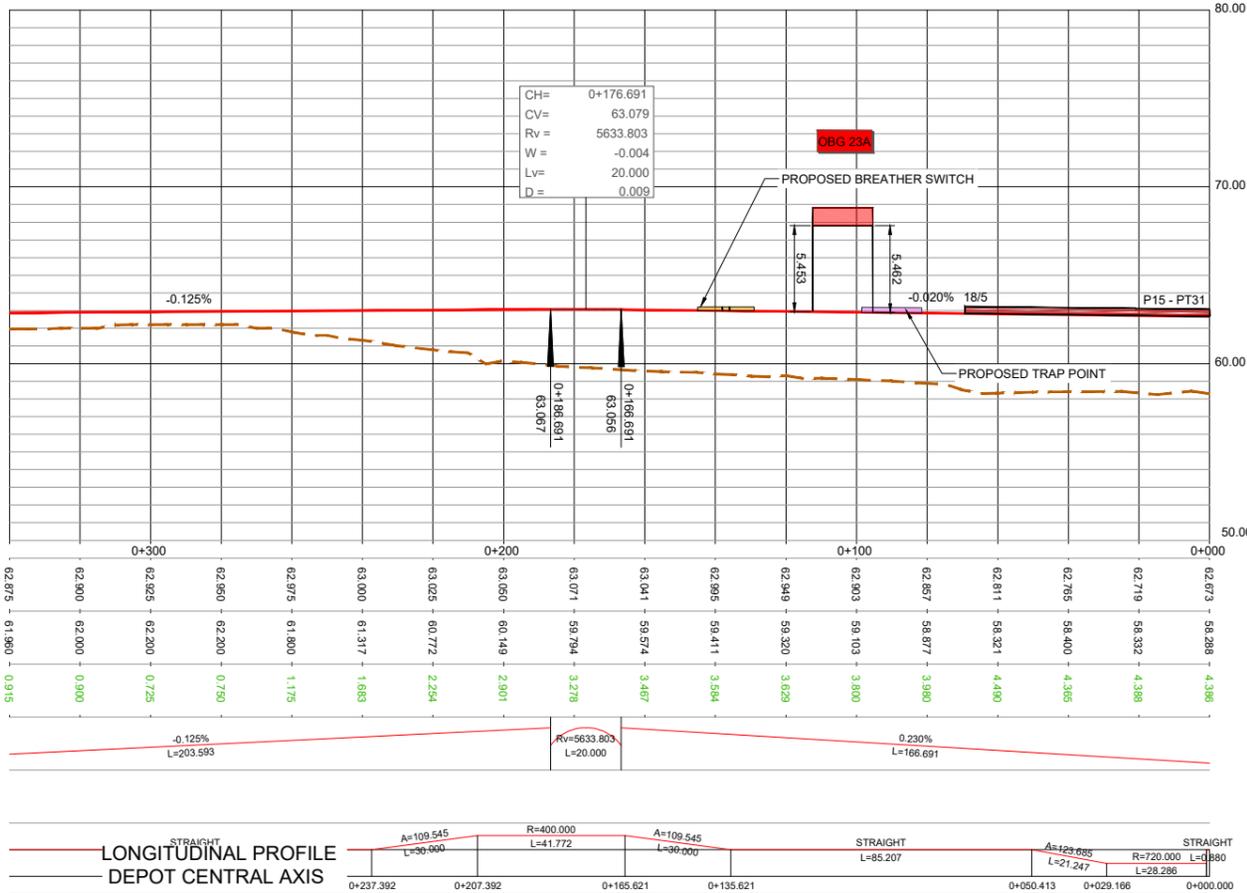
**LEGEND**

●	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

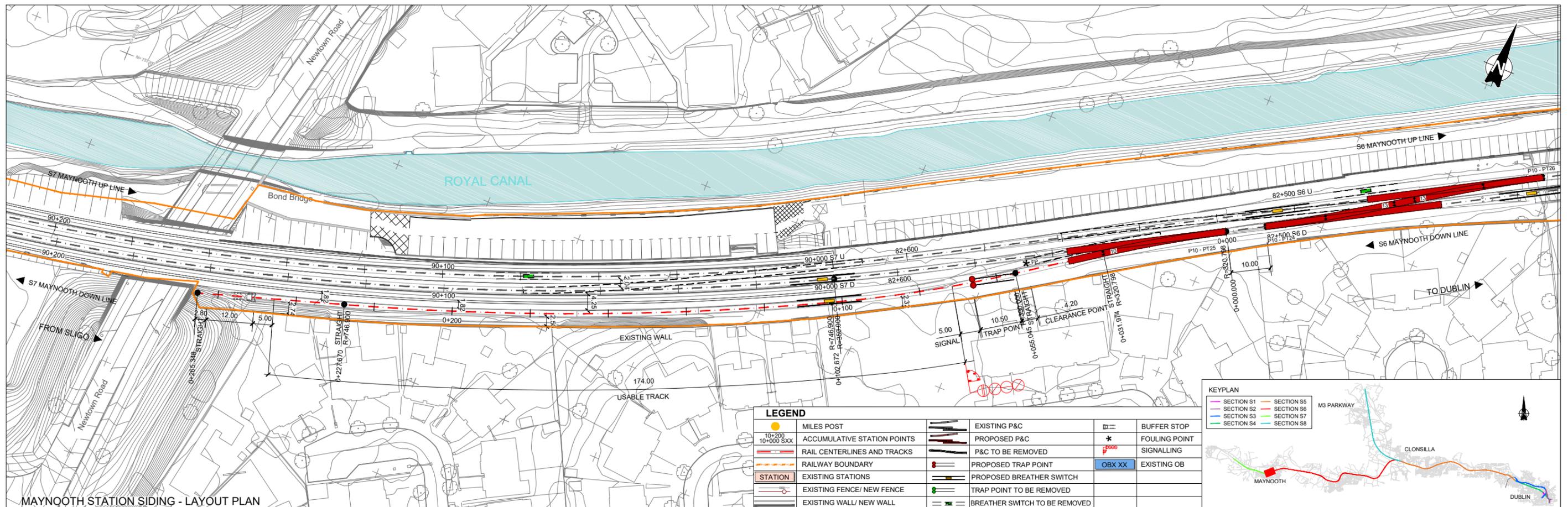


LAYOUT PLAN - DEPOT EAST AXIS - AWP



<p>Client</p>			<p>Project</p>		
<p>Consultant</p>			<p>Drawing Title</p> <p>PERMANENT WAY DESIGN MAYNOOTH TO DEPOT - ALIGNMENT AND PROFILES, ACCESS TO DEPOT DEPOT EAST AXIS - AWP; DEPOT CENTRAL AXIS</p>		
<p>Scale:</p> <p>1:1000 @ A1 1:2000 @ A3</p>			<p>Drawing Number   Project   Originator   Discipline   Location   Type   Role   Number   Phase</p> <p>MAY MDC TRK SC07 DR C 0004 D</p>		
<p>Date: April 2022</p>			<p>Status: F1-Approved &amp; accepted</p>		
<p>Rev: V01</p>			<p>Sheet: 06 of 06</p>		

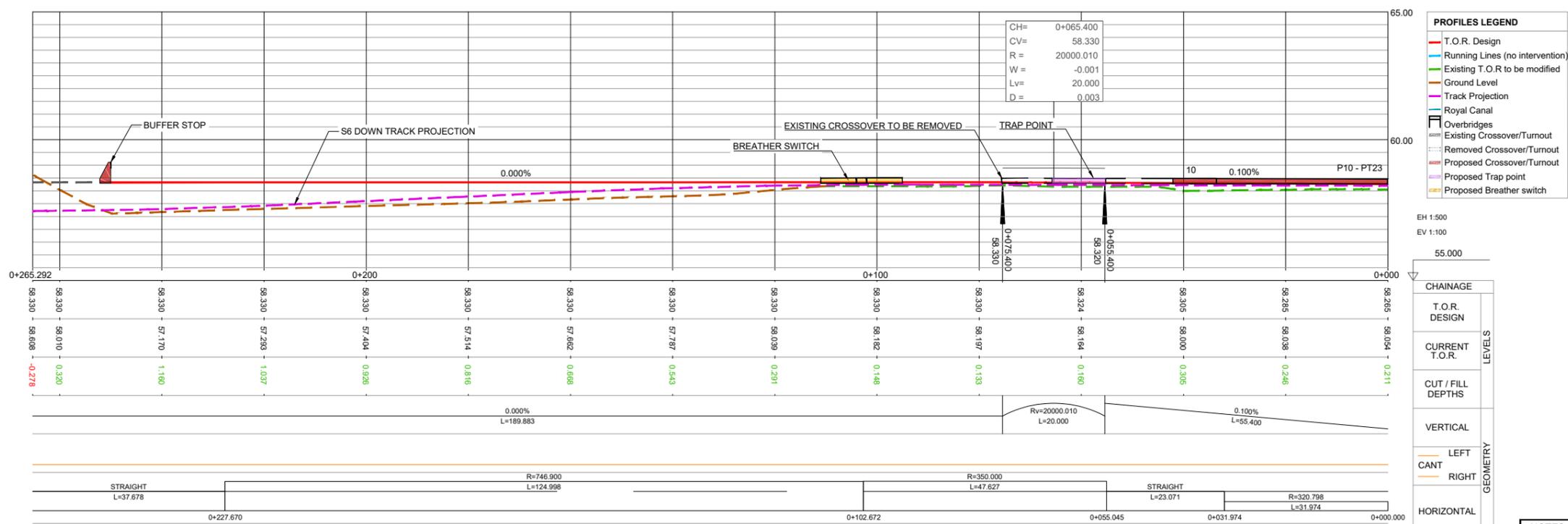
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL14).



**LEGEND**

●	MILES POST	▬	EXISTING P&C	▬	BUFFER STOP
10+200 10+000 SXX	ACCUMULATIVE STATION POINTS	▬	PROPOSED P&C	*	FOULING POINT
▬	RAIL CENTERLINES AND TRACKS	▬	P&C TO BE REMOVED	+	SIGNALLING
▬	RAILWAY BOUNDARY	▬	PROPOSED TRAP POINT	OBX XX	EXISTING OB
STATION	EXISTING STATIONS	▬	PROPOSED BREATHING SWITCH		
▬	EXISTING FENCE/ NEW FENCE	▬	TRAP POINT TO BE REMOVED		
▬	EXISTING WALL/ NEW WALL	▬	BREATHING SWITCH TO BE REMOVED		

MAYNOOTH STATION SIDING - LAYOUT PLAN



**PROFILES LEGEND**

- T.O.R. Design
- Running Lines (no intervention)
- Existing T.O.R. to be modified
- Ground Level
- Track Projection
- Royal Canal
- Overbridges
- Existing Crossover/Turnout
- Removed Crossover/Turnout
- Proposed Crossover/Turnout
- Proposed Trap point
- Proposed Breathing switch

EH 1:500  
EV 1:100

CHAINAGE	LEVELS
T.O.R. DESIGN	
CURRENT T.O.R.	GEOMETRY
CUT / FILL DEPTHS	
VERTICAL	LEFT
CANT	RIGHT
HORIZONTAL	

**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.

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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