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V01	April 2022	PLANNING ISSUE			
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLG).					

Client

Tionscaldal Éireann  
Project Ireland  
2040

NTA  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

PROJOD

Project

DART+  
West

Drawing Title

STATION DESIGN  
COOLMINE STATION  
STATION LOCATION. EXISTING

Drawing Number

MAY MDC ARC RS10 DR A 0001 D

Date: April 2022

Job No: P/101086

Status: F1-Approved & accepted

Rev: V01

Sheet: 1 of 2

Scale:

1:500 @ A1 - 1:1000 @ A3

0 5 10 20



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Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Náisiúnta Náisiúnta Iomána  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

PRODUCED BY

REVIEWED BY

APPROVED BY

Project

DART+  
West

Drawing Title

STATION DESIGN  
COOLMINE STATION  
STATION LOCATION, PROPOSED

Scale:

1:500 @ A1 - 1:1000 @ A3

Drawing Number

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

MAY MDC ARC RS10 DR A 0001 D

Date: April 2022

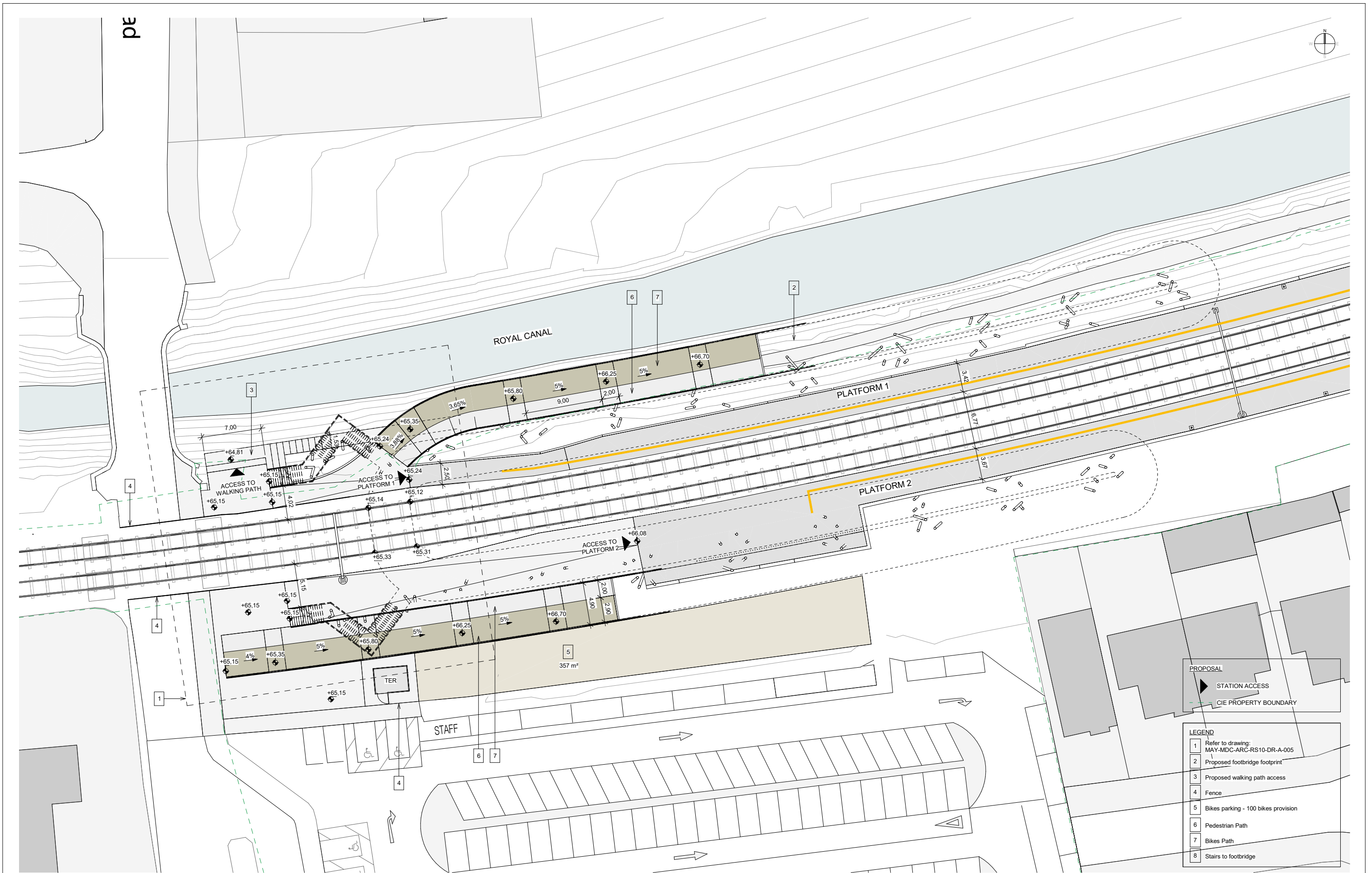
Job No: P/101086

Status: F1-Approved & accepted

Rev: V01

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Client

Consultant

Project

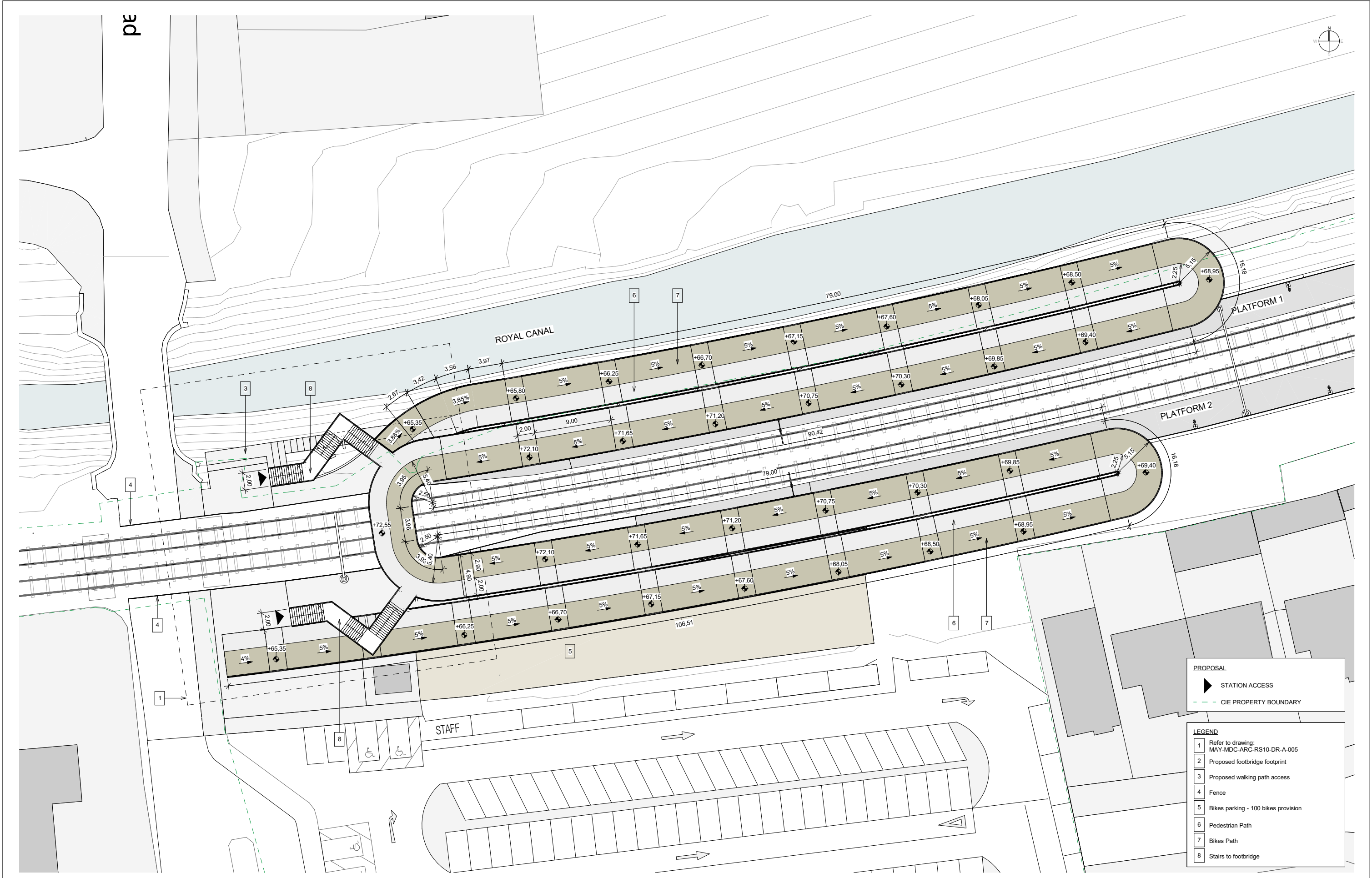
Drawing Title

### STATION DESIGN COOLMINE STATION PLATFORM LEVEL PLAN

Scale: 1:200 @ A1 - 1:400 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ARC	RS10	DR	A	0003	D	

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	1 of 2



**PROPOSAL**

- ▶ STATION ACCESS
- - - CIE PROPERTY BOUNDARY

**LEGEND**

- 1 Refer to drawing: MAY-MDC-ARC-RS10-DR-A-005
- 2 Proposed footbridge footprint
- 3 Proposed walking path access
- 4 Fence
- 5 Bikes parking - 100 bikes provision
- 6 Pedestrian Path
- 7 Bikes Path
- 8 Stairs to footbridge

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Client

Consultant

Project

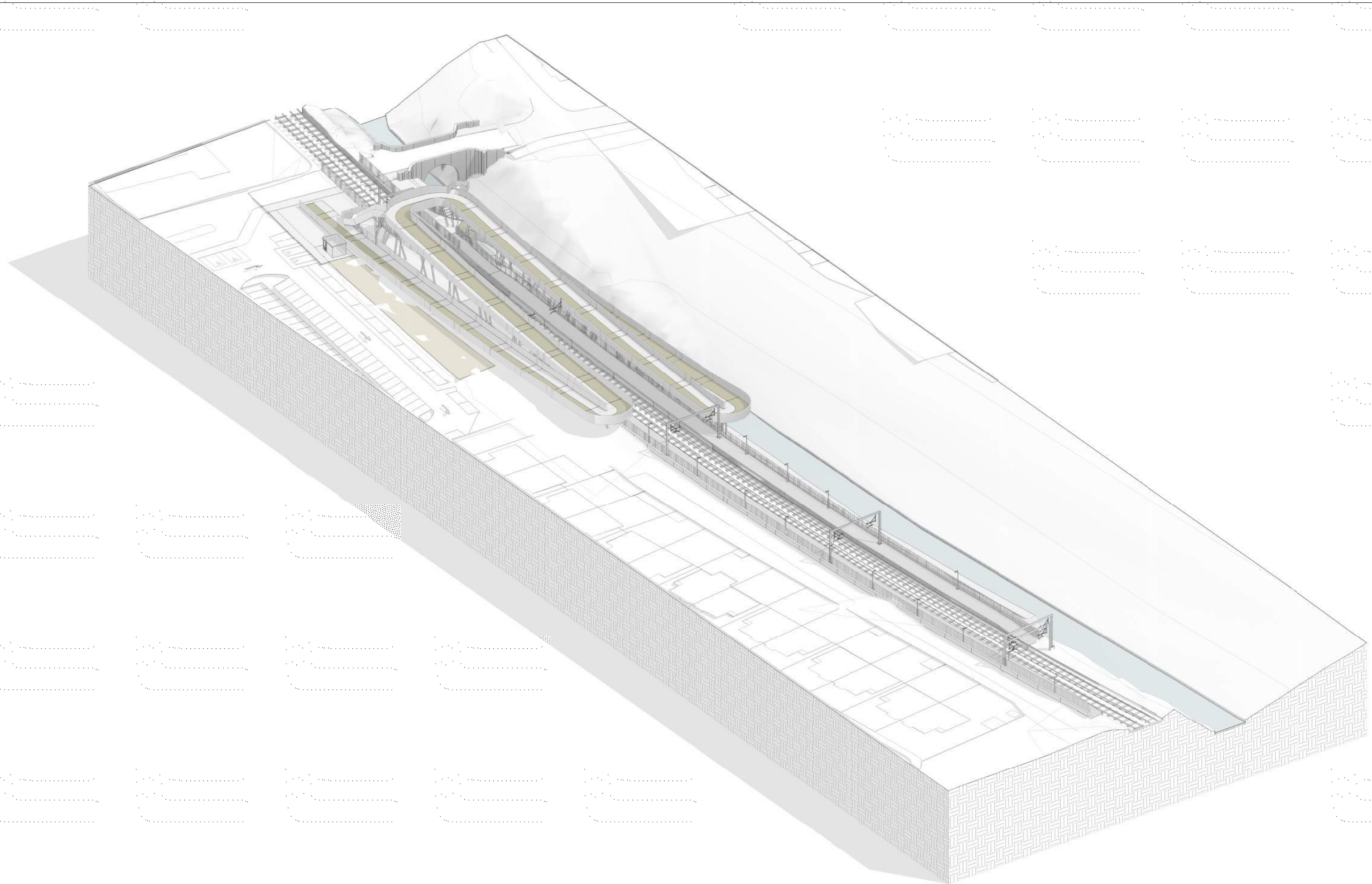
Drawing Title

### STATION DESIGN COOLMINE STATION FOOTBRIDGE LEVEL PLAN

Scale: 1:200 @ A1 - 1:400 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS10	DR	A	0003	D
Date:	Job No:	Status:	Rev:					
April 2022	P/101086	F1-Approved & accepted	V01	Sheet. 2 of 2				





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**Client**

Tionscald Éireann  
Project Ireland  
2040

NTA  
Údair Náisiúnaí Iomparáil  
National Transport Authority

Iarnród Éireann  
Irish Rail

**Consultant**

IDOM

C3

PROJ ROD  
RODRIGAN & O'DONOVAN

**Project**

DART+  
West

**Drawing Title**

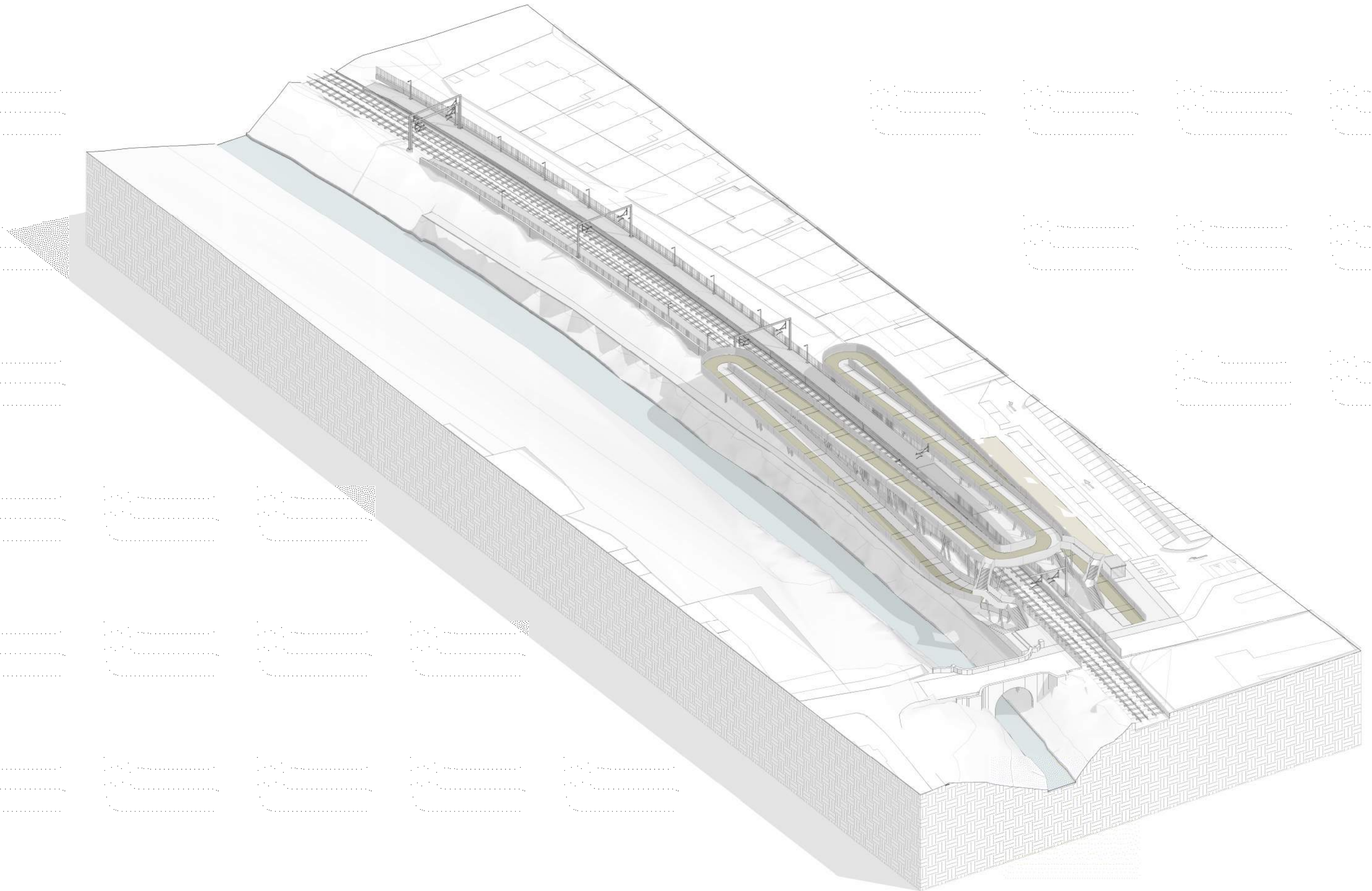
STATION DESIGN  
COOLMINE STATION  
AXONOMETRIC VIEW

**Scale:**  
1:-- @ A1 - 1:-- @A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS10	DR	A	0004	D

Date	Job No.	Status	Rev.	Sheet
April 2022	P/101086	F1-Approved & accepted	V01	1 of 2





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Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Náisiúnta Aonúis Iománaíochta  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

PROJ ROD  
RODRIGAN & O'DONOVAN

Project

DART+  
West

Drawing Title

STATION DESIGN  
COOLMINE STATION  
AXONOMETRIC VIEW

Scale:

1:500 @ A1 - 1:1000 @ A3

Drawing Number

Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ARC	RS10	DR	A	0004	D

Date: April 2022

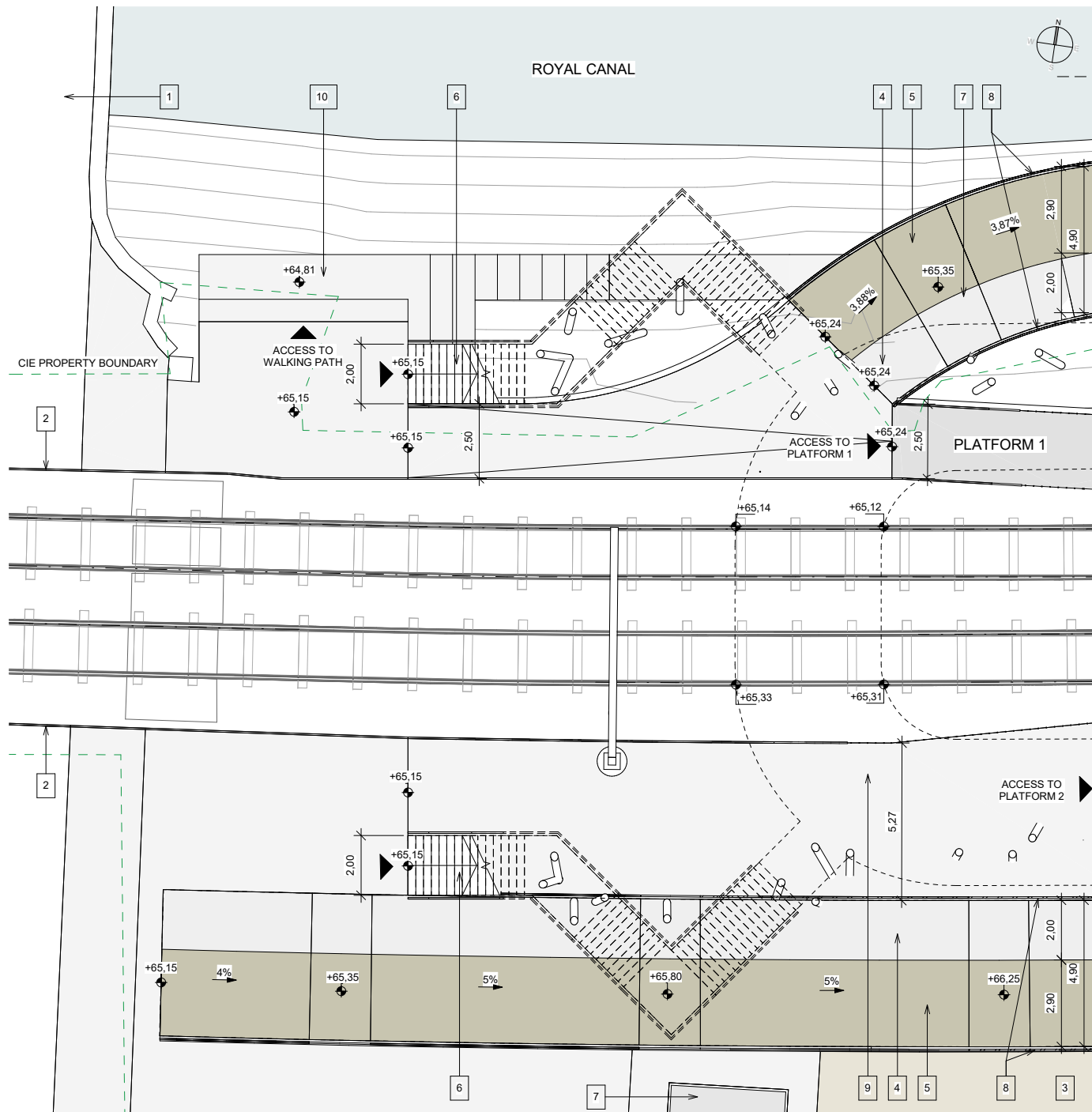
Job No: P/101086

Status: F1-Approved & accepted

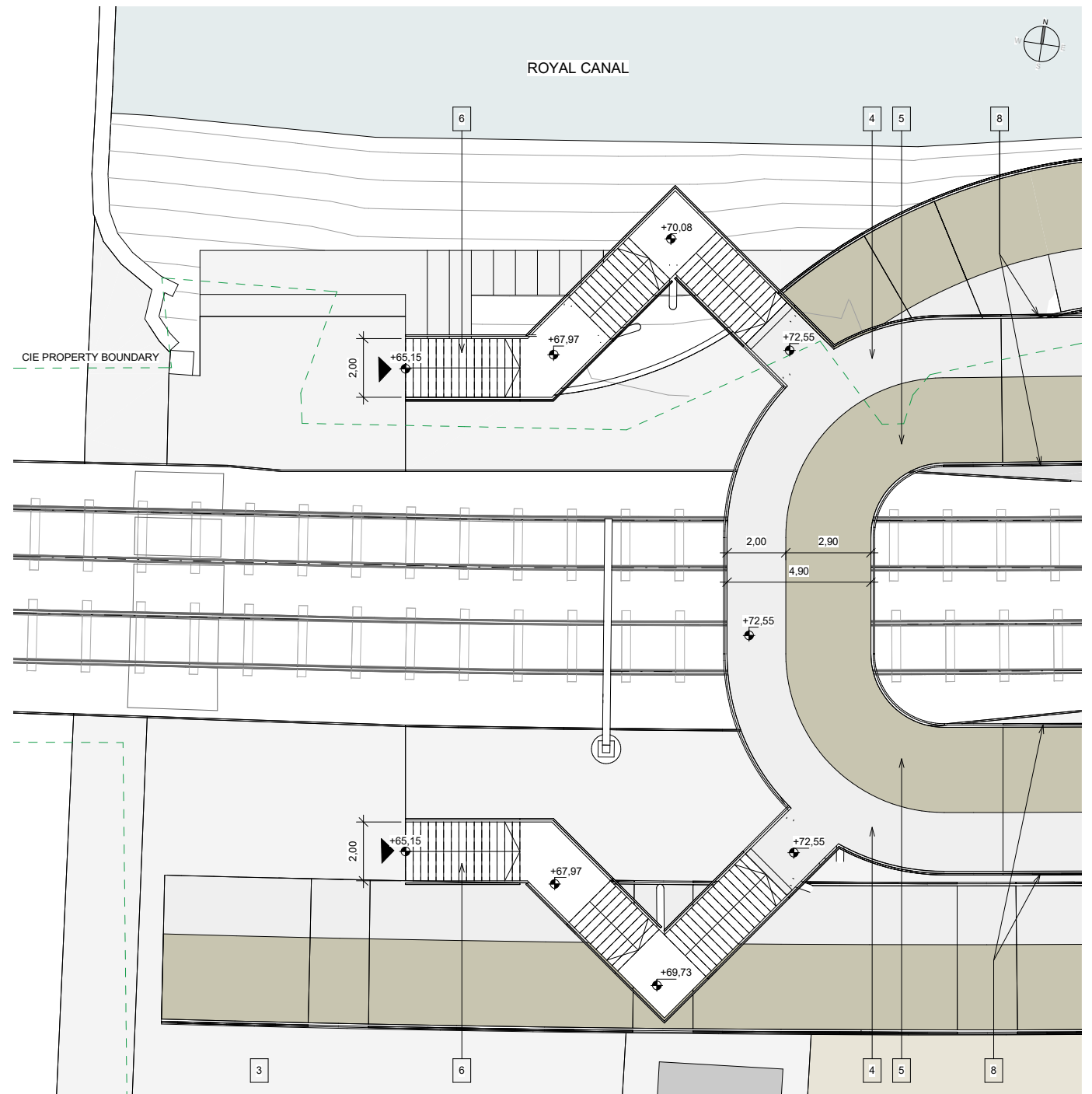
Rev: V01

Sheet: 2 of 2





1 | Platform level  
Scale 1: 100



2 | Footbridge Level  
Scale 1: 100

LEGEND	
1	Historical Bridge
2	New fence
3	Bikes parking
4	Pedestrian path
5	Bikes path
6	Stairs to footbridge
7	New TER
8	Footbridge railing Variable height 1.40m/1.80m
9	Proposed footbridge footprint
10	Proposed walking path access

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Client

Consultant

Project

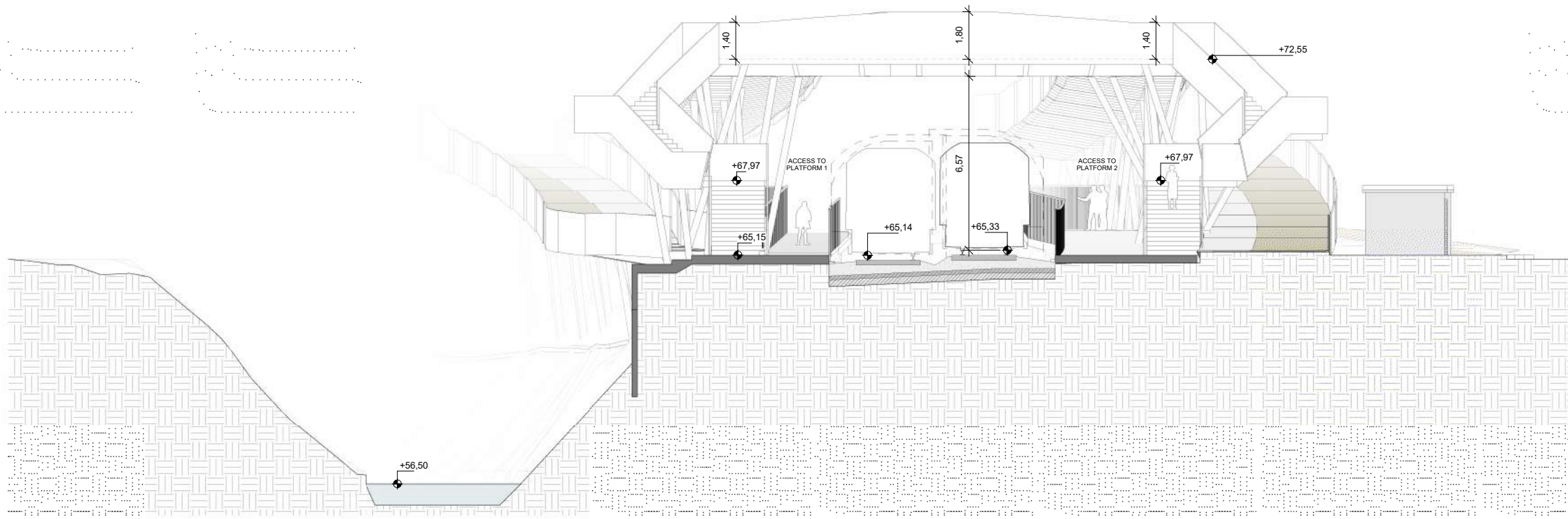
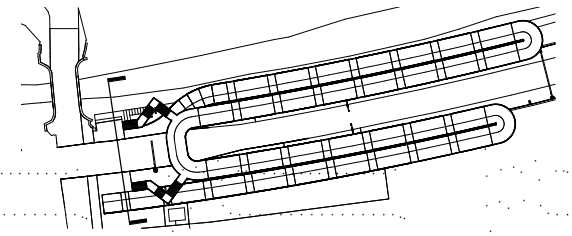
Drawing Title

**STATION DESIGN  
COOLMINE STATION  
FOOTBRIDGE PLANS**

Scale: 1:100 @ A1 - 1:200 A3

Drawing Number: MAY MDC ARC RS10 DR A 0005 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 1 of 1



1 | Footbridge Elevation  
Scale 1 : 100

- NOTES**
- 1 The retaining system will be defined with the input of the Geotechnical Report.
  - 2 The foundation (deep or shallow) will be defined with the input of the Geotechnical Report and the retaining system.
  - 3 Minimum clearance under the bridge: 4.70m

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**Client**

Tionscaldal Éireann Project Ireland 2040

NTA Náisiúnta Aonmór Náisiúnta Iompartha

**Irish Rail**

**Consultant**

IDOM

C3

PROJ ROD

**Project**

DART+ West

**Drawing Title**

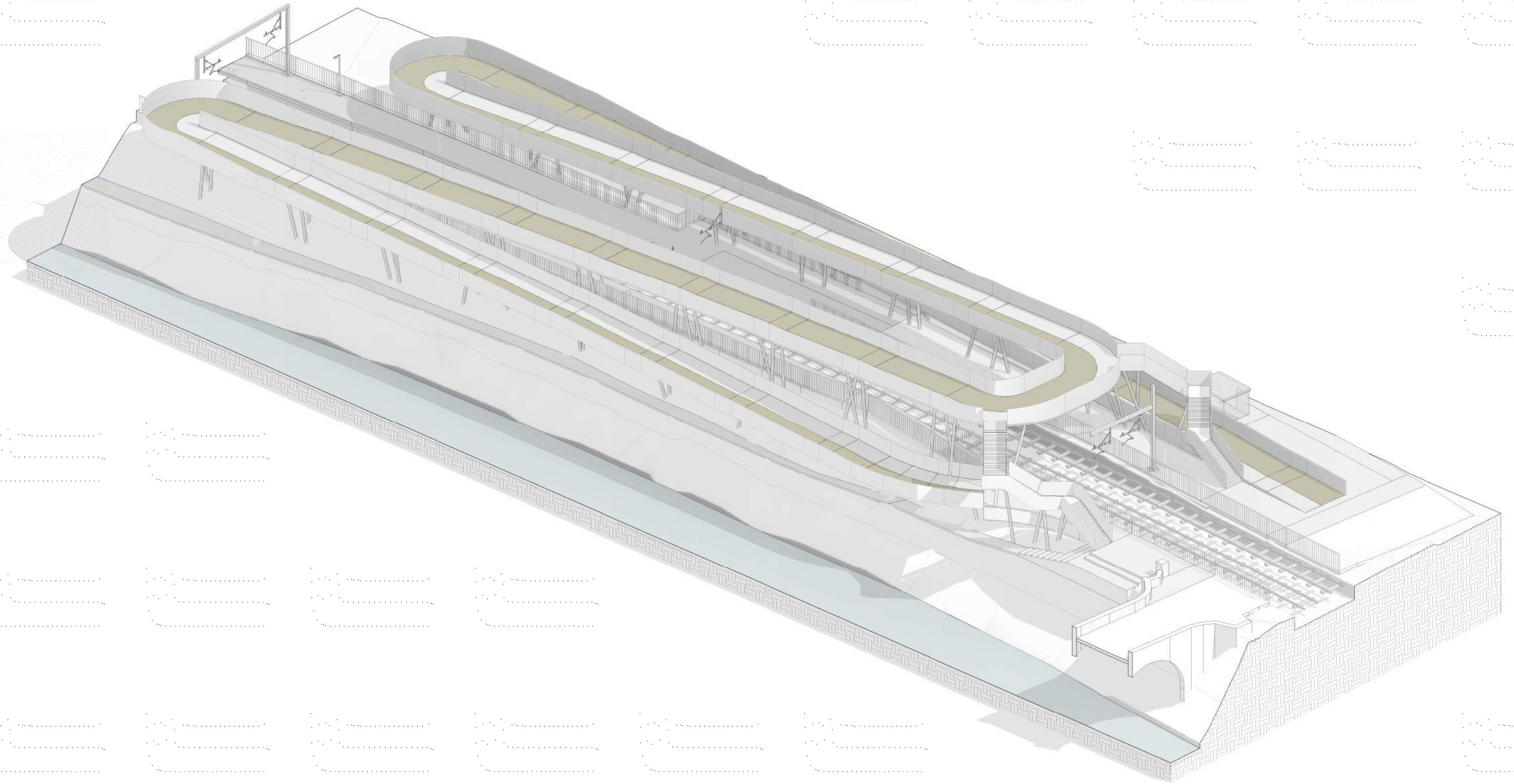
STATION DESIGN  
COOLMINE STATION  
FOOTBRIDGE: ELEVATION

**Scale:**  
1:100 @ A1 - 1:200 A3

**Drawing Number** | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC ARC RS10 DR A 0008 D

**Date:** April 2022 | **Job No.:** P/101086 | **Status:** F1-Approved & accepted | **Rev:** V01 | **Sheet:** 1 of 1





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**Client**

**Consultant**

**Project**

**Drawing Title**

STATION DESIGN  
COOLMINE STATION  
FOOTBRIDGE. AXONOMETRIC VIEW

**Scale:**  
1:-- @ A1 - 1:-- @A3

<b>Drawing Number</b>	<b>Project</b>	<b>Originator</b>	<b>Discipline</b>	<b>Location</b>	<b>Type</b>	<b>Role</b>	<b>Number</b>	<b>Phase</b>
	MAY	MDC	ARC	RS10	DR	A	0009	D
<b>Date:</b>	<b>Job No:</b>	<b>Status:</b>	<b>Rev:</b>					
April 2022	P/101086	F1-Approved & accepted	V01	Sheet: 1 of 1				





- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
  2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

	CARRIAGEWAY
	ROUNDABOUT OVER-RIDE AREA
	FOOTWAY
	CYCLEWAY
	VERGE
	EMBANKMENT
	UNCONTROLLED TACTILE PAVING

Client	Tionscail Eireann Project Ireland 2040		
Consultant	IDOM	NTA Údair Náisiúnta Iompar National Transport Authority	IAROD EÓCHUÁN & O'DONOVAN
Project	DART+ West		
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE LEVEL CROSSING - GENERAL ARRANGEMENT SHEET LAYOUT		
Scale:	1:1000 @ A1 1:2000 @ A3		
Drawing Number	Project	Originator	Discipline
MAY	MDC	HRW	LC02
DR	C	0100	D
Date:	Job No:	Status:	Rev:
April 2022	P/101086	F1 - Approved & Accepted	V 01
Sheet: 01 of 01			

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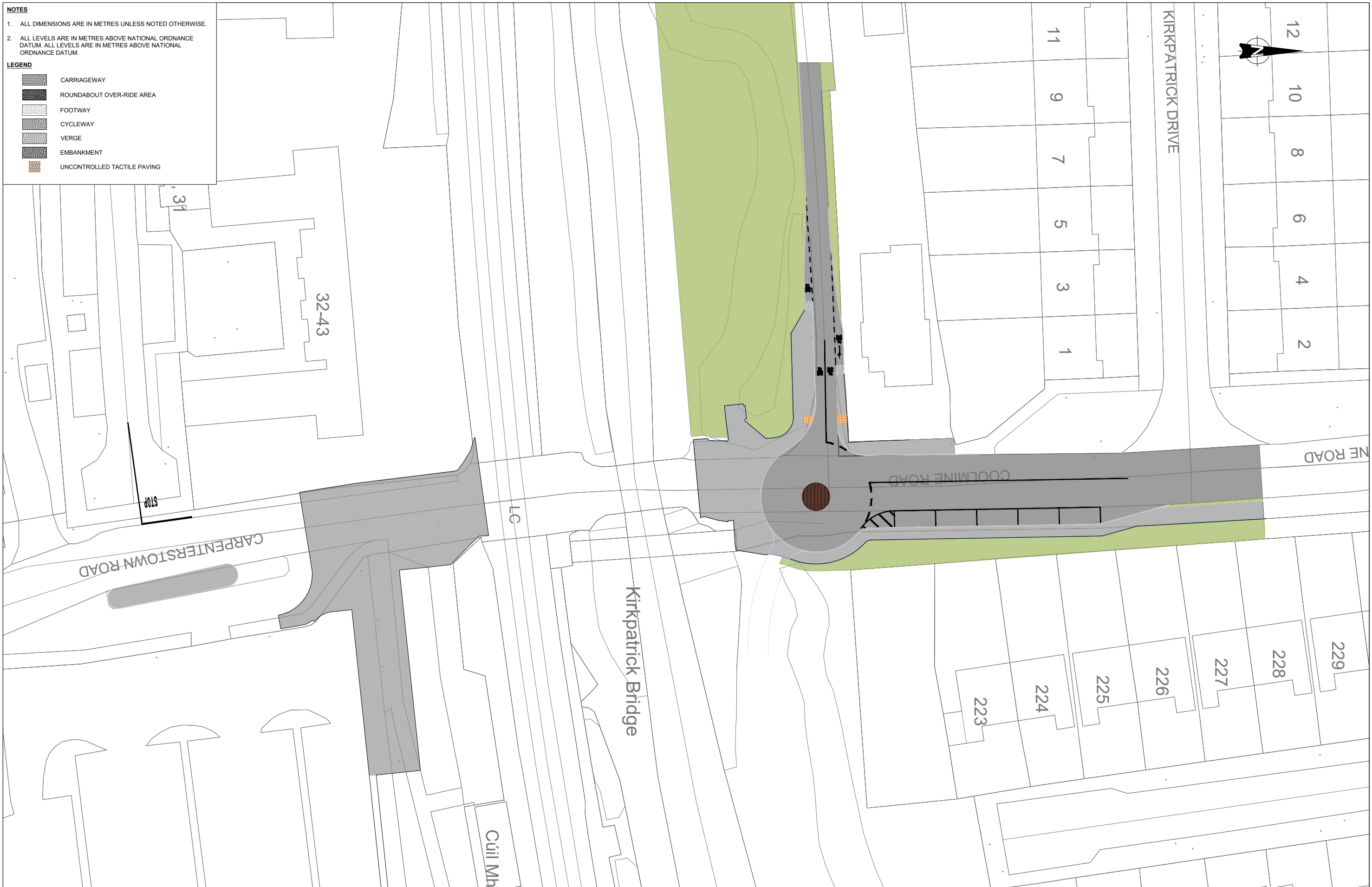


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**LEGEND**

- CARRIAGEWAY
- ROUNDBABOUT OVER-RIDE AREA
- FOOTWAY
- CYCLEWAY
- VERGE
- EMBANKMENT
- UNCONTROLLED TACTILE PAVING



REV.	DATE	DESCRIPTION	JMC	TL	MK
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client

Consultant

Project

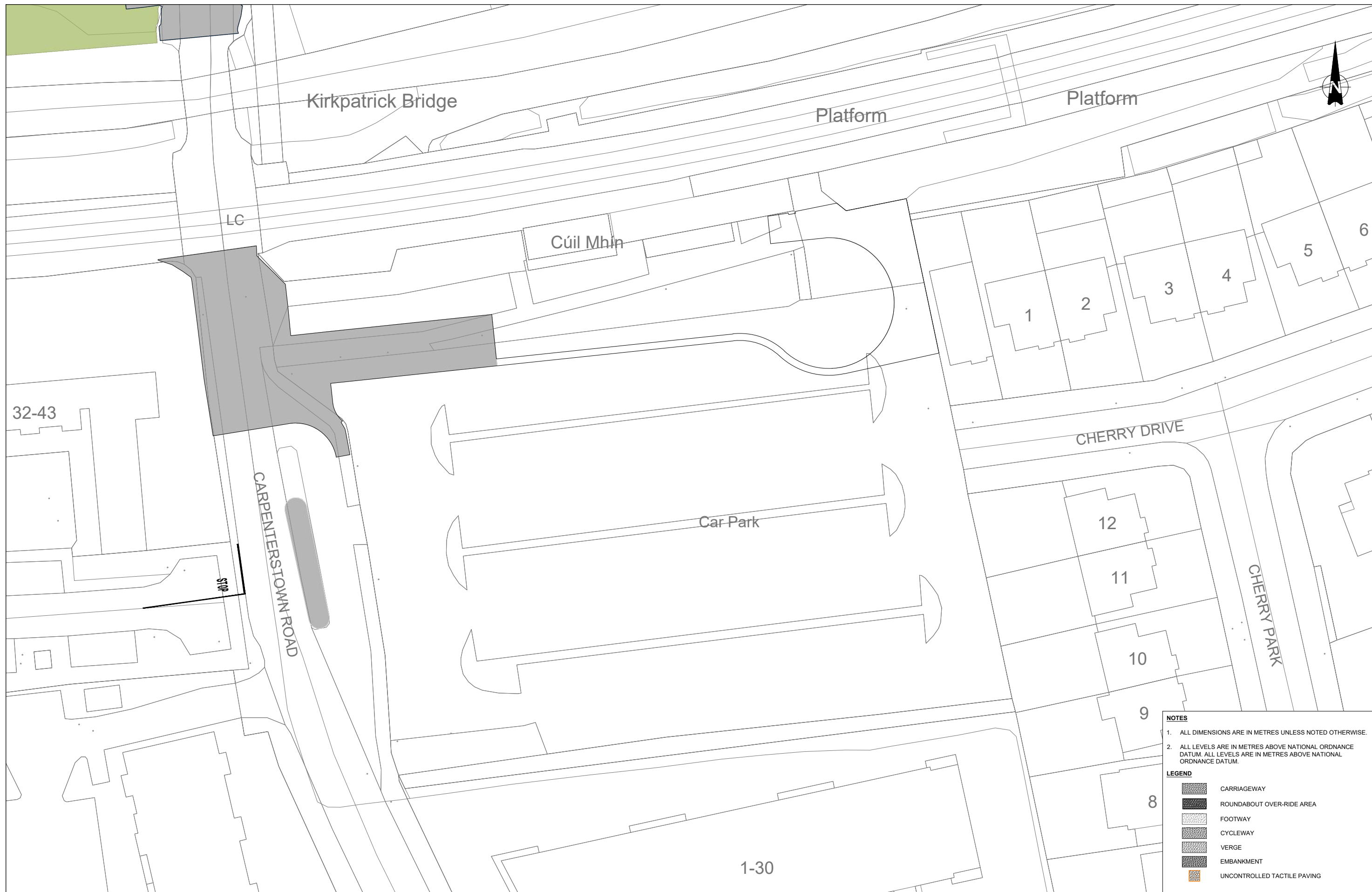
Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
LEVEL CROSSING - GENERAL ARRANGEMENT  
SHEET 1 OF 1

Scale: 1:250 @ A1 1:500 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC HRW LC02 DR C 0101 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 01 of 02



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**LEGEND**

- CARRIAGEWAY
- ROUNDABOUT OVER-RIDE AREA
- FOOTWAY
- CYCLEWAY
- VERGE
- EMBANKMENT
- UNCONTROLLED TACTILE PAVING

V 01	April 2022	PLANNING ISSUE	JMC	TL	MK
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station T8Bight C6Bige (TLLO).

Client

Consultant

Project

Drawing Title

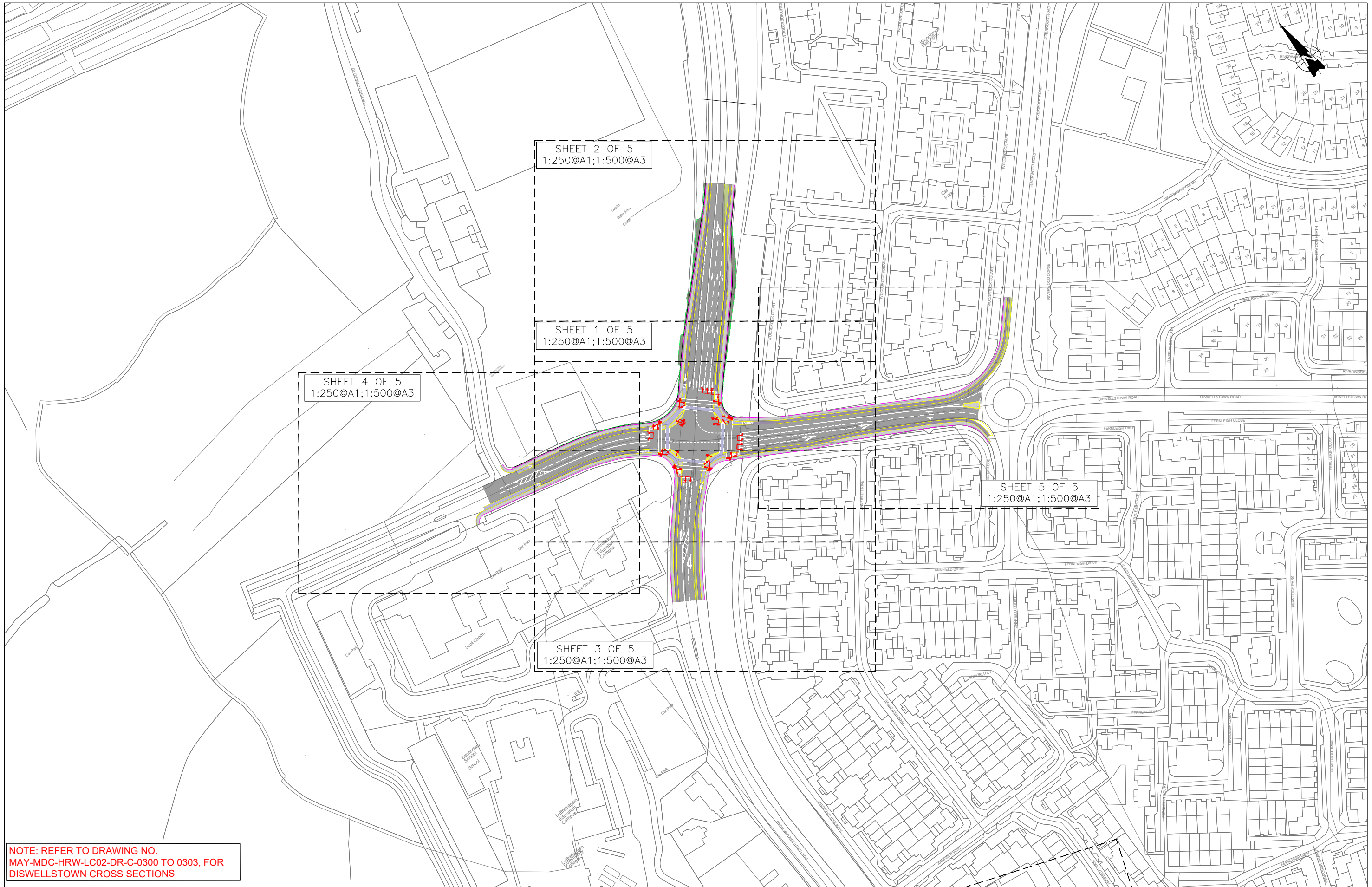
ROADWORKS DESIGN - LC02: COOLMINE  
GENERAL ARRANGEMENT  
SHEET 2 OF 2

Scale: 1:250 @ A1 1:500 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC HRW LC02 DR C 0102 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 02 of 02





**NOTE: REFER TO DRAWING NO. MAY-MDC-HRW-LC02-DR-C-0300 TO 0303, FOR DISWELLSTOWN CROSS SECTIONS**

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**Client**

**Project**

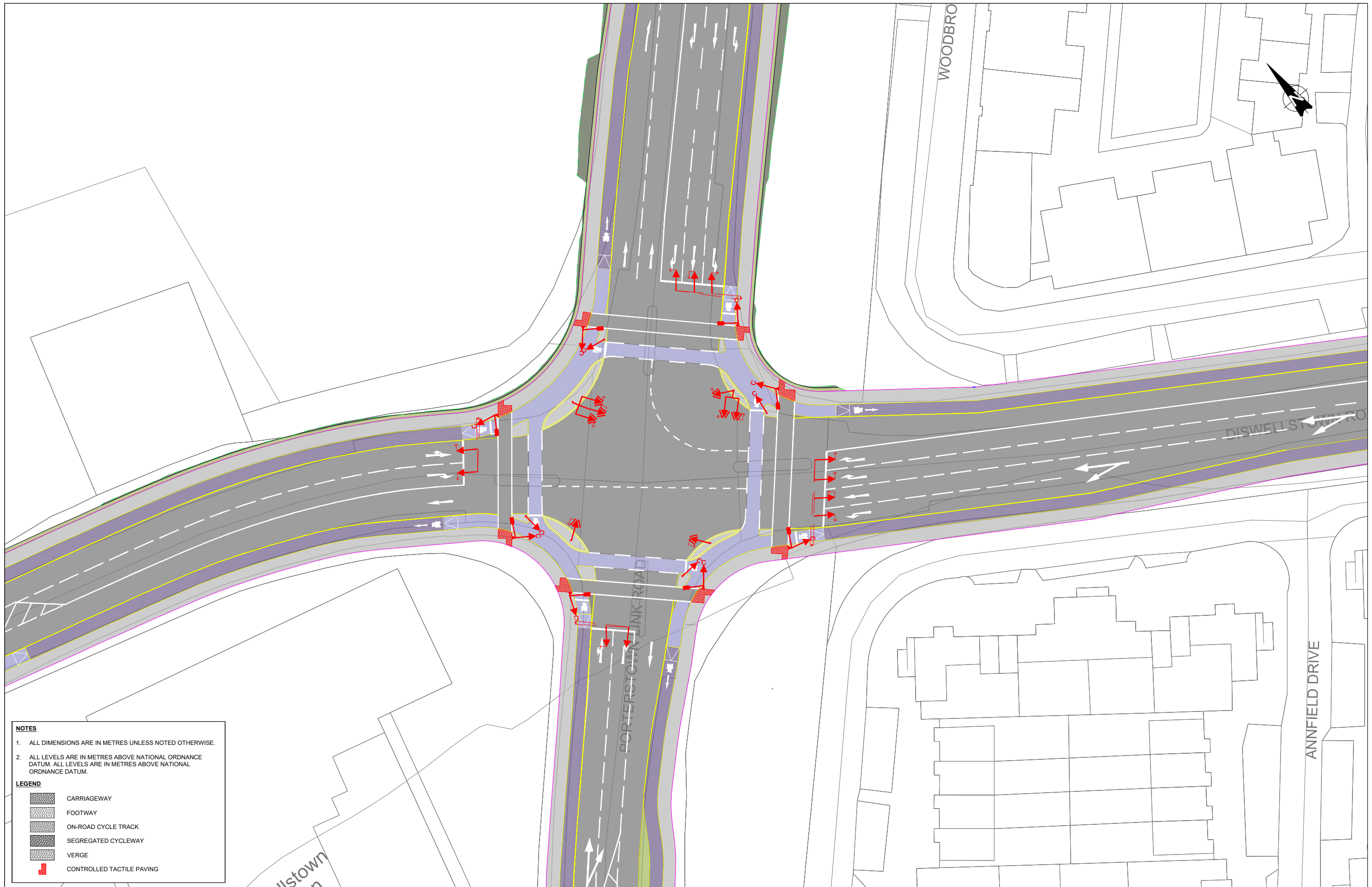
**Consultant**

**Drawing Title**

**ROADWORKS DESIGN - LC02: COOLMINE  
DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
SHEET LAYOUT**

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

<b>Drawing Number</b>	<b>Project</b>	<b>Originator</b>	<b>Discipline</b>	<b>Location</b>	<b>Type</b>	<b>Role</b>	<b>Number</b>	<b>Phase</b>
MAY MDC HRW LC02 DR C 0115								D
<b>Date:</b>	<b>Job No:</b>	<b>Status:</b>	<b>Rev:</b>					
April 2022	P/101086	F1 - Approved & Accepted	V 01	Sheet: 01 of 01				



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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
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Client

Project

Consultant

Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
 DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET 1 OF 5

Scale:

1:250 @ A1 1:500 @ A3

Date:	Job No:	Status:	Rev:
April 2022	P/101086	F1 - Approved & Accepted	V 01

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC02	DR	C	0116	D	

Sheet: 01 of 05





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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	April 2022	PLANNING ISSUE	GZ	TL	MK

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 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 (TLLG).

Client

Tionscatal Éireann  
Project Ireland  
2040

NTA  
Oifige Náisiúnta Iomparáil  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

3

PROD  
EODRAN & O'DONOVAN

Project

DART+  
West

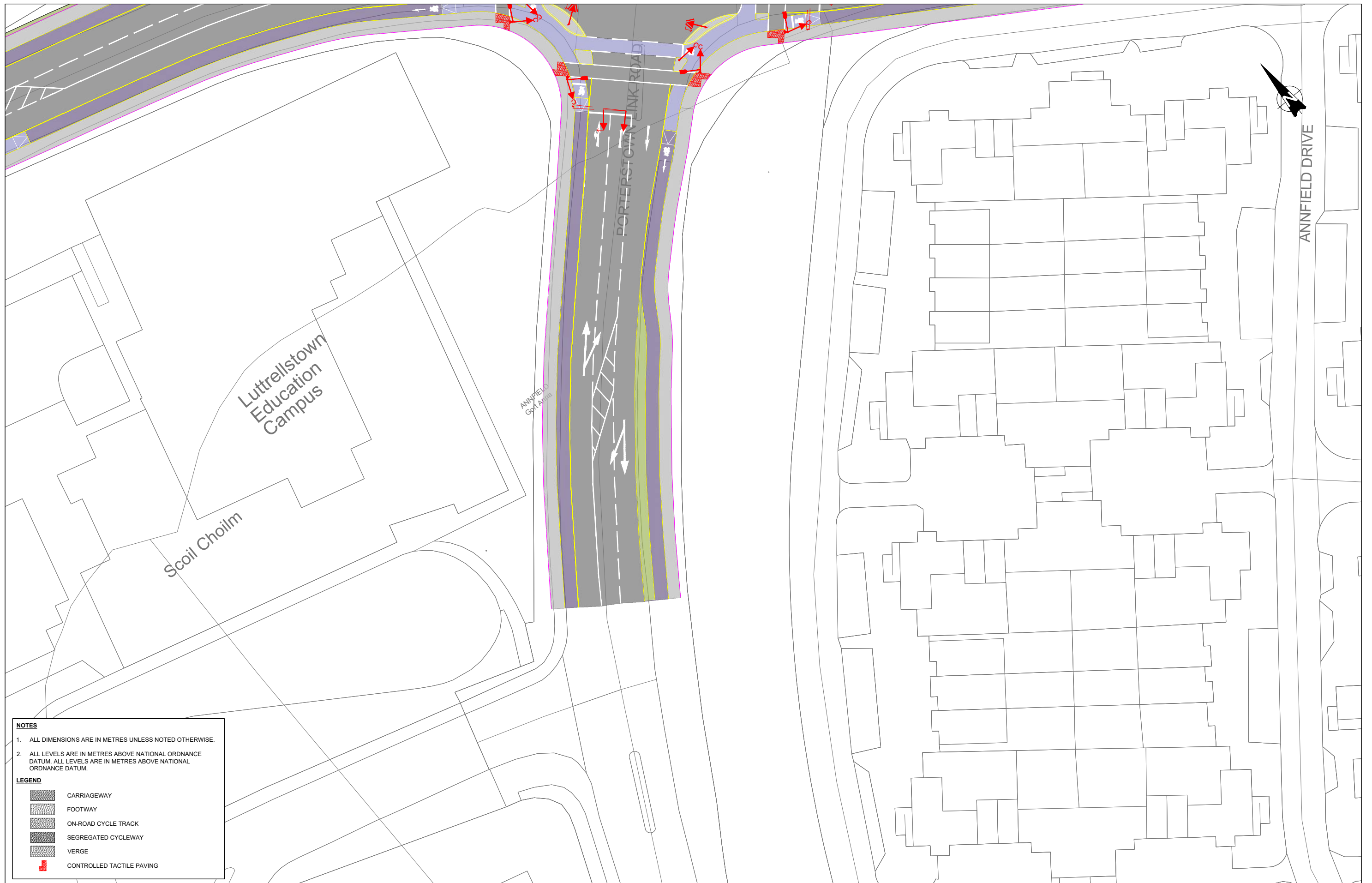
Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
SHEET 2 OF 5

Scale:  
1:250 @ A1 1:500 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC HRW LC02 DR C 0117 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 02 of 05



**NOTES**

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

REV.	DATE	DESCRIPTION	GZ	TL	MK
V 01	April 2022	PLANNING ISSUE			

PRODUCED BY: GZ TL MK  
 REVIEWED BY: GZ TL MK  
 APPROVED BY: GZ TL MK

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 Survey No: 0039721 (OSI Aerial Data or OS Laser Data) & Survey No: 2021/051\_000A, 190 (OSI Vector Data).  
 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Contract.  
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLO).

Client

Consultant

Project

Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
 DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET 3 OF 5

Scale: 1:250 @ A1 1:500 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC02	DR	C	0118	D	

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1 - Approved & Accepted	V 01	03 of 05





**NOTES**

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- ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

V 01	April 2022	PLANNING ISSUE	GZ	TL	MK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station T4B181 CoBige (TLLD).

Client

Project

Consultant

Drawing Title

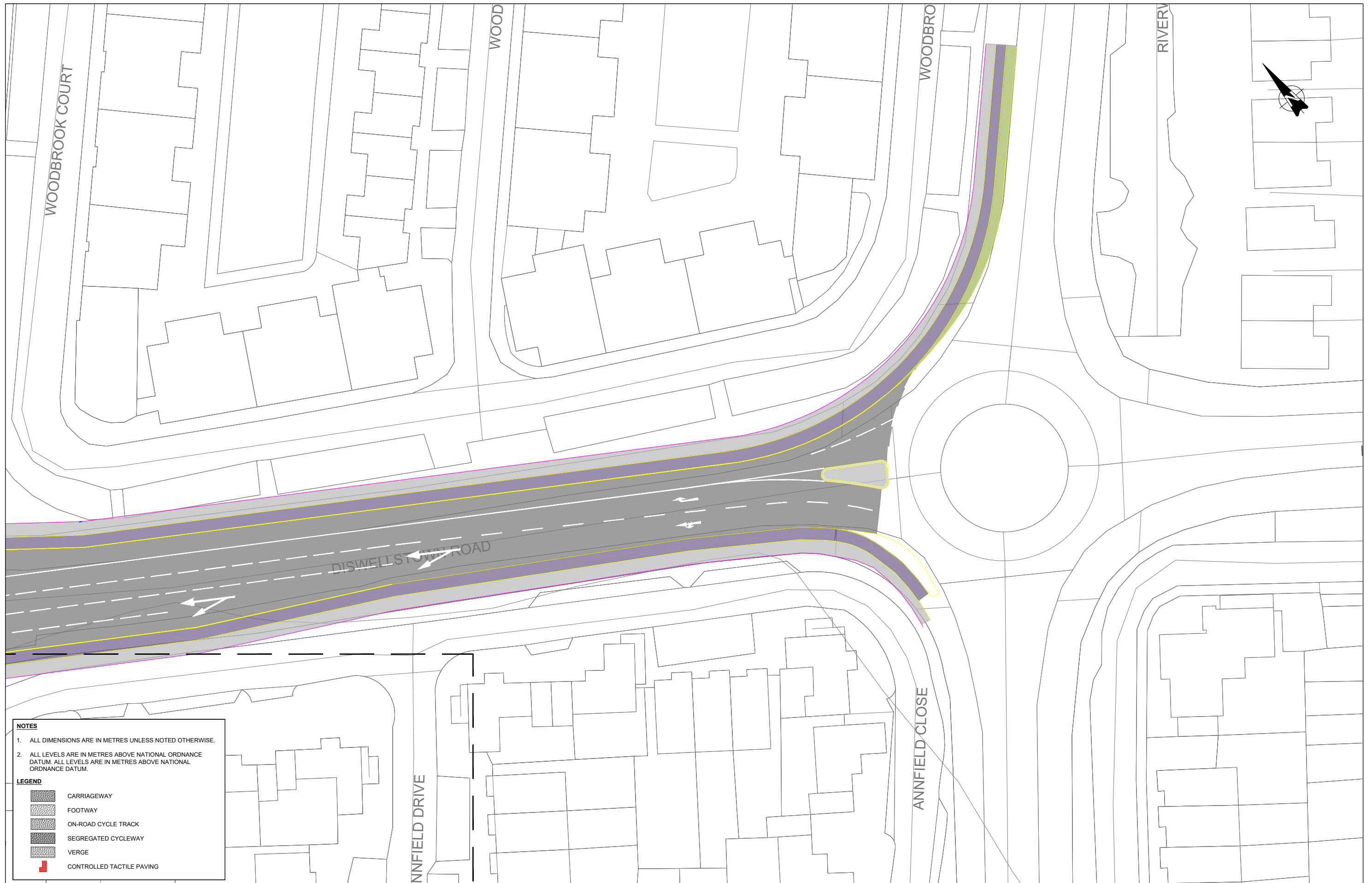
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 DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET 4 OF 5

Scale: 1:250 @ A1 1:500 @ A3

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

MAY MDC HRW LC02 DR C 0119 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 04 of 05



**NOTES**

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

V 01	April 2022	PLANNING ISSUE	GZ	TL	MK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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

Client

Tionscald Eireann  
Project Ireland 2040

NTA  
Údaráil Náisiúnta Iomparáil  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

PROD

Project

DART+  
West

Drawing Title

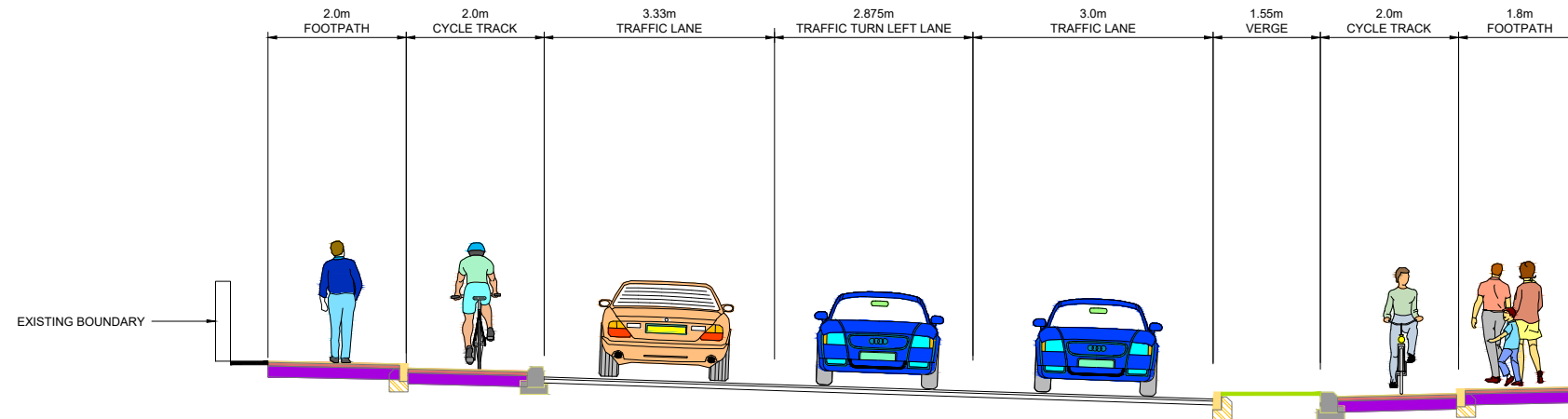
ROADWORKS DESIGN - LC02: COOLMINE  
DISWELLSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
SHEET 5 OF 5

Scale:  
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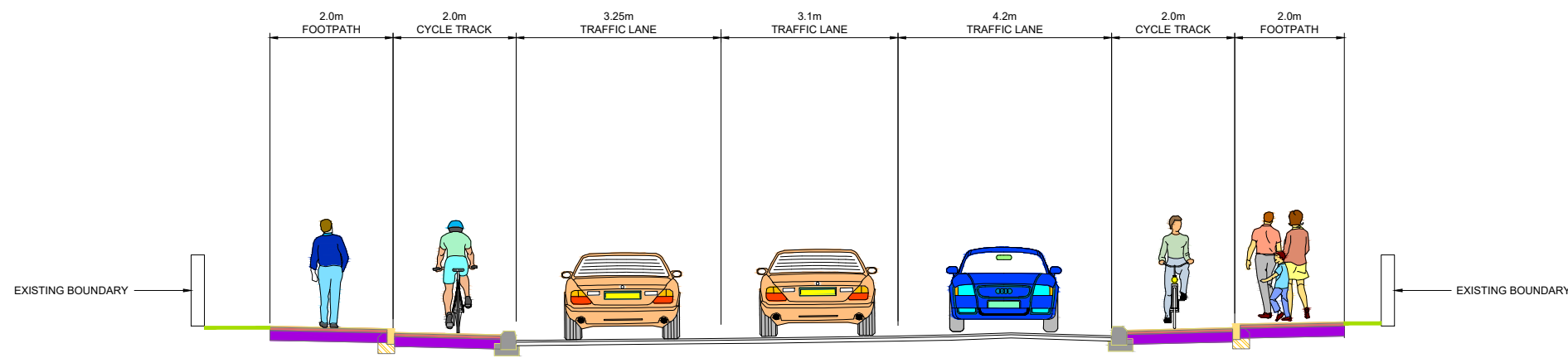
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MAY MDC HRW LC02 DR C 0120 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 05 of 05





TYPICAL CROSS SECTION A-A  
DISWELLSTOWN ROAD JCT. (SOUTH)  
LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115



TYPICAL CROSS SECTION B-B  
DISWELLSTOWN ROAD JCT. (SOUTH)  
LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115

**NOTES:**  
 1. FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0115  
 2. THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.  
 3. THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	April 2022	PLANNING ISSUE	KH	TL	MK

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 Survey No. 0039721 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2021051\_NMA\_180 (OSi Vector Data).  
 All elevations are in metres and relate to OSi Geoid Model (OSG2002). Main Road 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 (TL40).

Client

Consultant

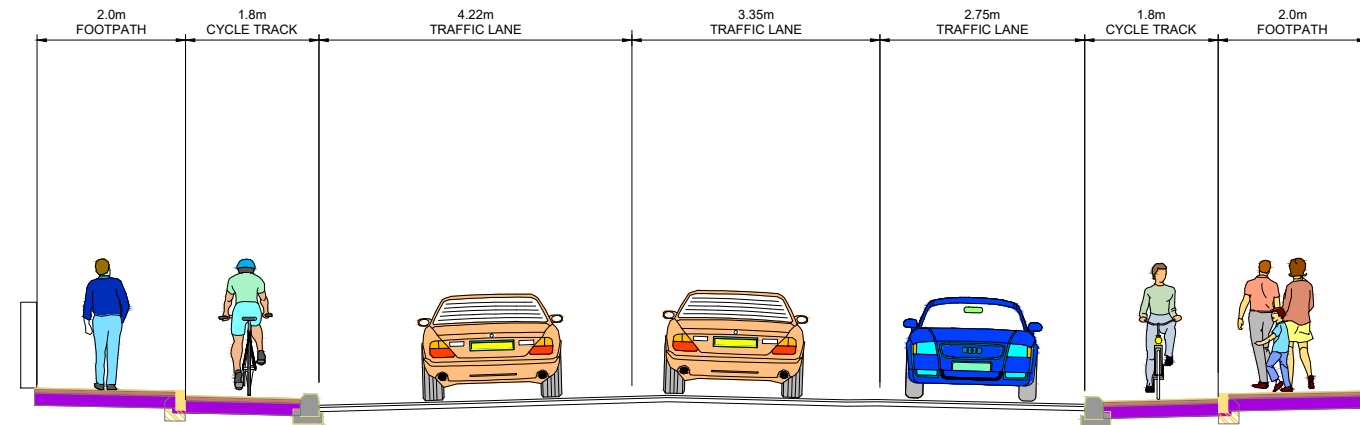
Project

Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
DISWELLSTOWN ROAD JUNCTION - CROSS SECTIONS  
SHEET 01 of 04

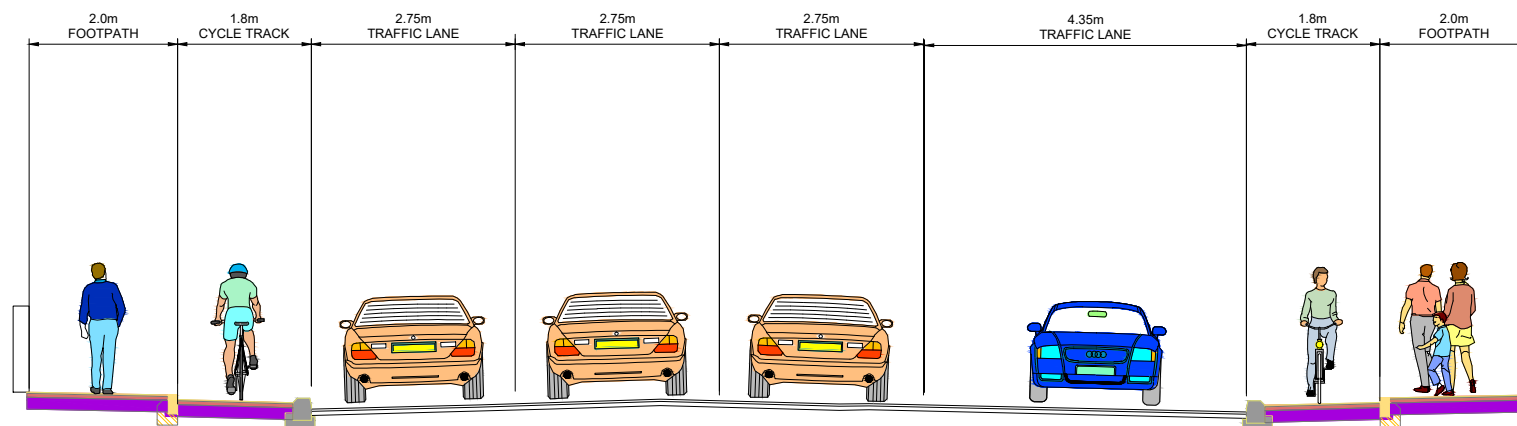
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Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1 - Approved & Accepted	V 01	01 of 04



TYPICAL CROSS SECTION C-C  
DISWELLSTOWN ROAD JCT. (EAST)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115



TYPICAL CROSS SECTION D-D  
DISWELLSTOWN ROAD JCT. (EAST)

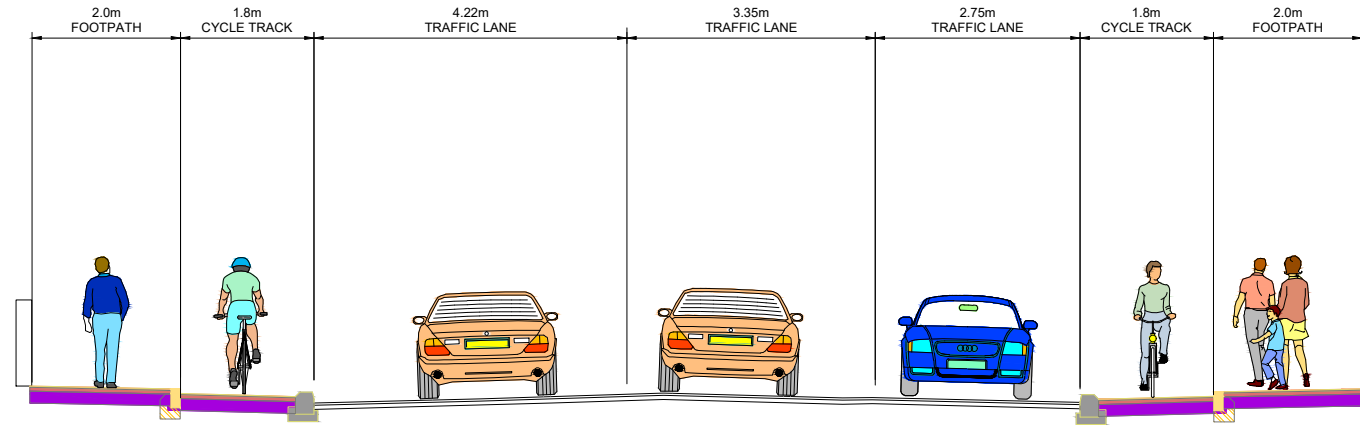
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2. THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
3. THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

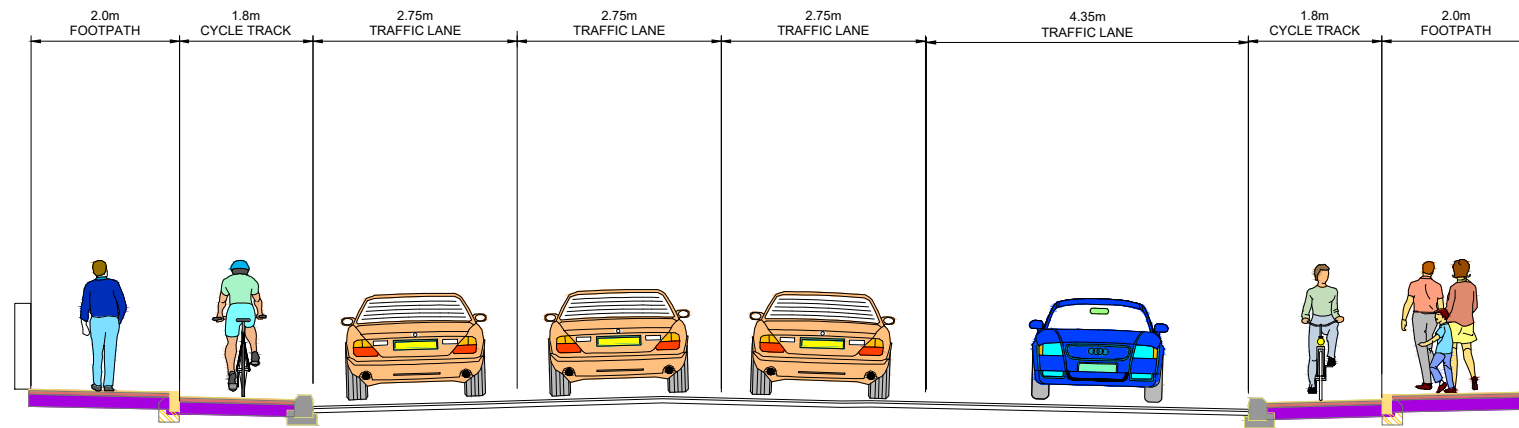
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V 01	April 2022	PLANNING ISSUE	KH	TL	MK																																				
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY																																				
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Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase																																	
MAY MDC HRW LC02 DR C 0147							D																																		
Date:	Job No:	Status:	Rev:	Sheet:																																					
April 2022	P/101086	F1 - Approved & Accepted	V 01	02 of 04																																					





TYPICAL CROSS SECTION E-E  
DISWELLSTOWN ROAD JCT. (NORTH)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115



TYPICAL CROSS SECTION F-F  
DISWELLSTOWN ROAD JCT. (NORTH)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115

**NOTES:**

1. FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0115
2. THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
3. THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

REV.	DATE	DESCRIPTION	KH	TL	MK
V 01	April 2022	PLANNING ISSUE			

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

**Client**

**Consultant**

**Project**

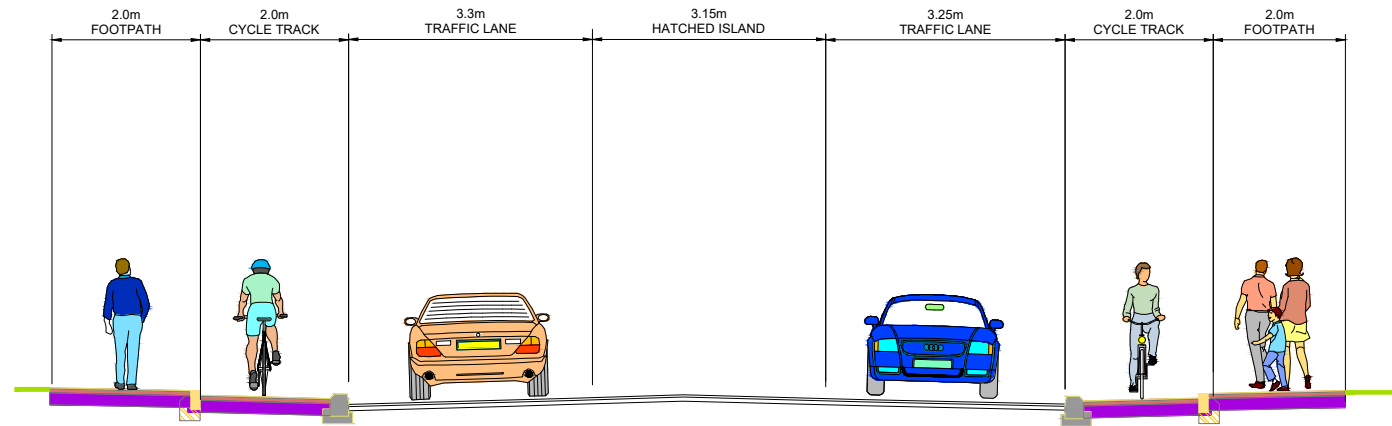
**Drawing Title**

ROADWORKS DESIGN - LC02: COOLMINE  
DISWELLSTOWN ROAD JUNCTION - CROSS SECTIONS  
SHEET 03 of 04

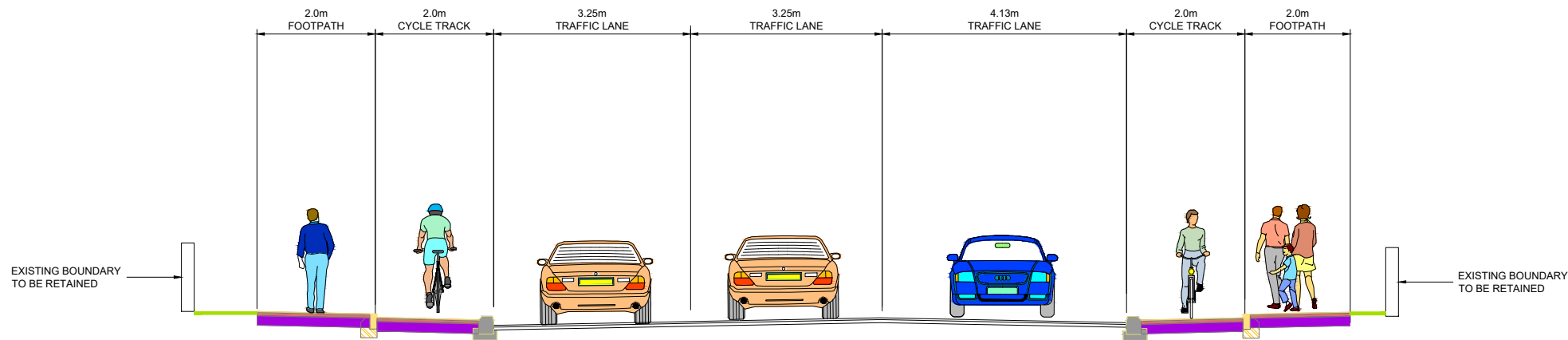
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MAY MDC HRW LC02 DR C 0148 D

**Date:** April 2022 | **Job No:** P/101086 | **Status:** F1 - Approved & Accepted | **Rev:** V 01 | **Sheet:** 03 of 04

**Scale:** 1:50 @ A1 1:100 @ A3



TYPICAL CROSS SECTION G-G  
 DISWELLSTOWN ROAD JCT. (WEST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115



TYPICAL CROSS SECTION H-H  
 DISWELLSTOWN ROAD JCT. (WEST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0115

- NOTES:**
- FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0115
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  - THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

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 All Coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL10).

Client

Project

Consultant

Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
 DISWELLSTOWN ROAD JUNCTION - CROSS SECTIONS  
 SHEET 04 of 04

Scale:  
 1:50 @ A1 1:100 @ A3

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1 - Approved & Accepted	V 01	04 of 04





REV.	DATE	DESCRIPTION	GZ	TL	MK
V 01	April 2022	PLANNING ISSUE			
PRODUCED BY			REVIEWED BY		
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLO).

Client

Project

Consultant

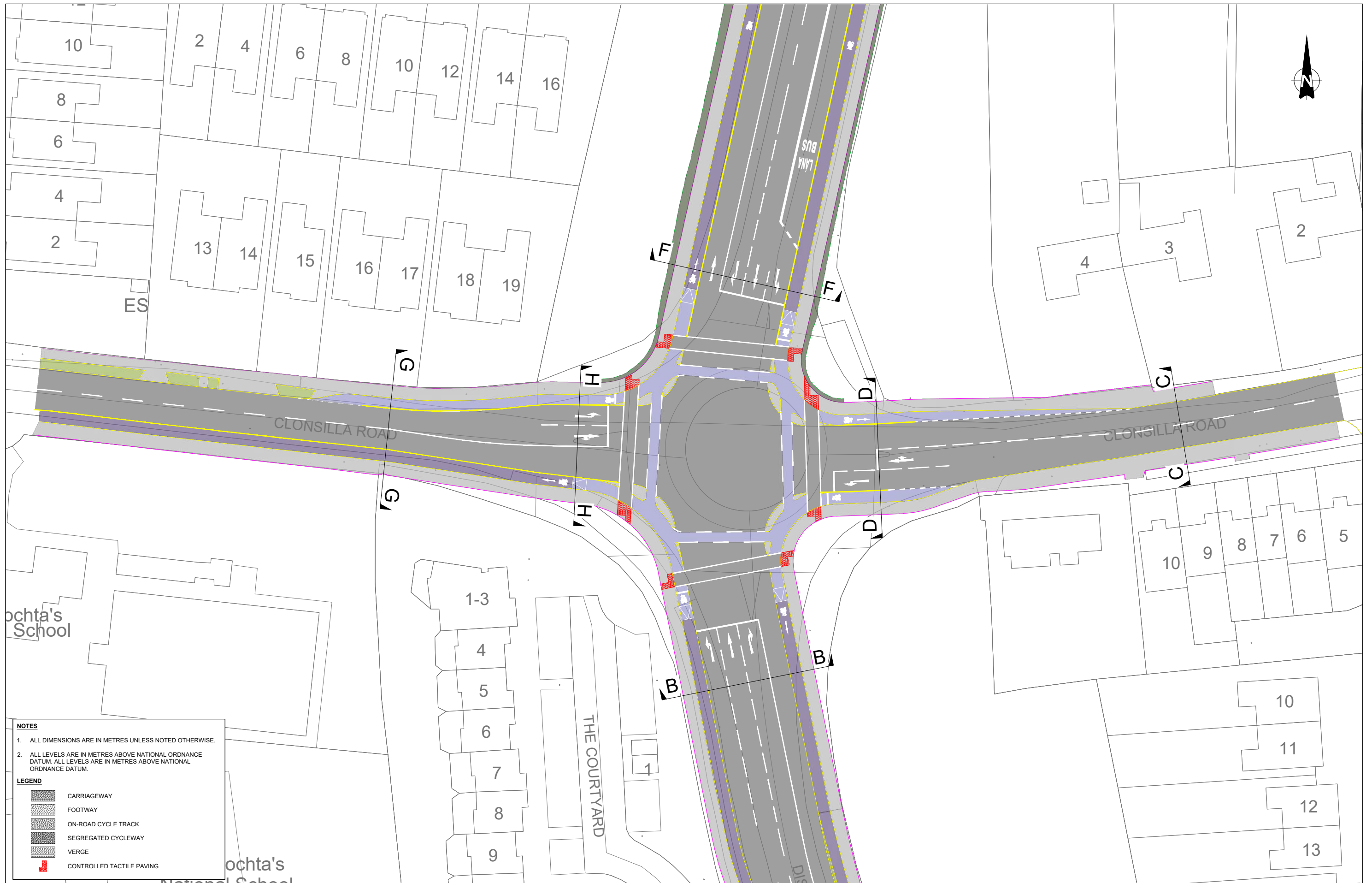
Drawing Title

**ROADWORKS DESIGN - LC02: COOLMINE  
CLONSILLA ROAD JUNCTION - GENERAL ARRANGEMENT  
SHEET LAYOUT**

Scale:  
1:250 @ A1 1:500 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | HRW | LC02 | DR | C | 0151 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 01 of 01



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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

Client	Tionscald Éireann Project Ireland 2040			NTA Údarás Náisiúnta Iompartha National Transport Authority			Iarnród Éireann Irish Rail																							
Consultant	IDOM			G3			I/R O D ROUHAN & O'DONOVAN																							
Project	DART+ West																													
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CLONSILLA ROAD JUNCTION - GENERAL ARRANGEMENT SHEET 1 OF 3																													
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Date:	April 2022			Job No:			P/101086			Status:			F1 - Approved & Accepted			Rev:			V 01			Sheet: 01 of 03								

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





**NOTES**

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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

Client	Tionscald Éireann Project Ireland 2040							
Consultant	IDOM							
Project	DART+ West							
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CLONSILLA ROAD JUNCTION - GENERAL ARRANGEMENT SHEET 2 OF 3							
Scale:	1:250 @ A1 1:500 @ A3							
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC02	DR	C	0153	D	D
Date:	Job No:	Status:	Rev:					
April 2022	P/101086	F1 - Approved & Accepted	V 01	Sheet: 02 of 03				







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 All elevations are in metres and relate to OSi Geoid Model (OSG2002). Main Tread as defined by existing Project Control.  
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**NOTES**

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2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

-  CARRIAGEWAY
-  FOOTWAY
-  ON-ROAD CYCLE TRACK
-  SEGREGATED CYCLEWAY
-  VERGE
-  CONTROLLED TACTILE PAVING

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	April 2022	PLANNING ISSUE	GZ	TL	MK

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Client



Consultant



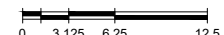
Project



Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
 CLONSILLA ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET 3 OF 3

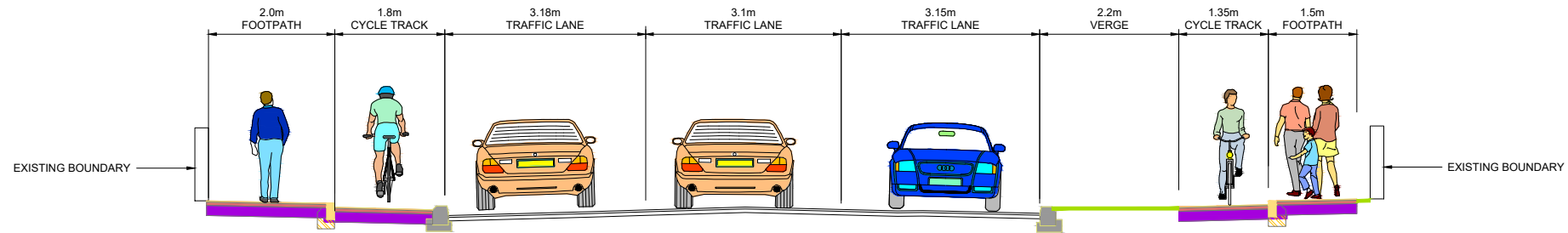
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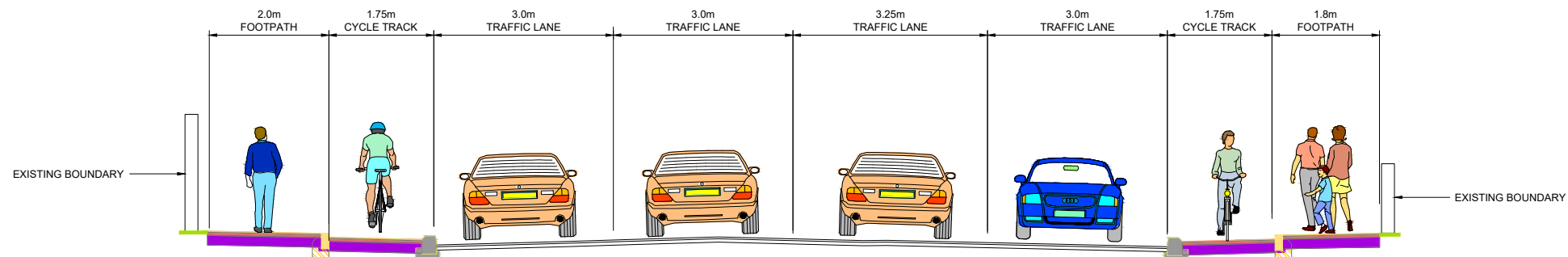
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MAY	MDC	HRW	LC02	DR	C	0154	D	

Date:	Job No.:	Status:	Rev.:	Sheet:
April 2022	P/101086	F1 - Approved & Accepted	V 01	03 of 03

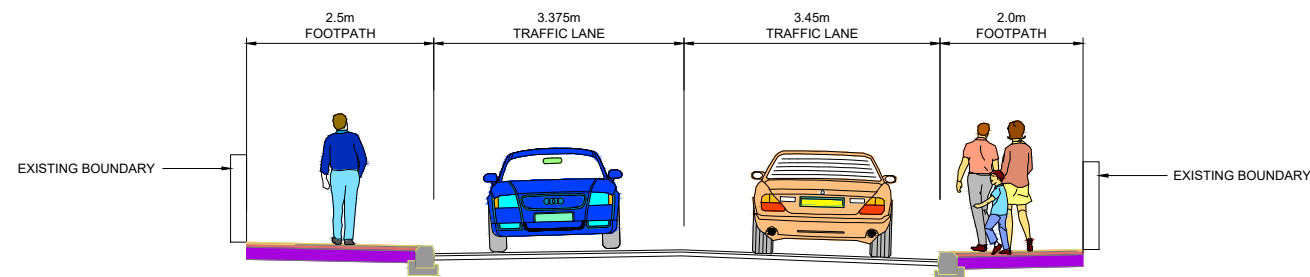




TYPICAL CROSS SECTION A-A  
 CLONSILLA ROAD JCT. (SOUTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151



TYPICAL CROSS SECTION B-B  
 CLONSILLA ROAD JCT. (SOUTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151



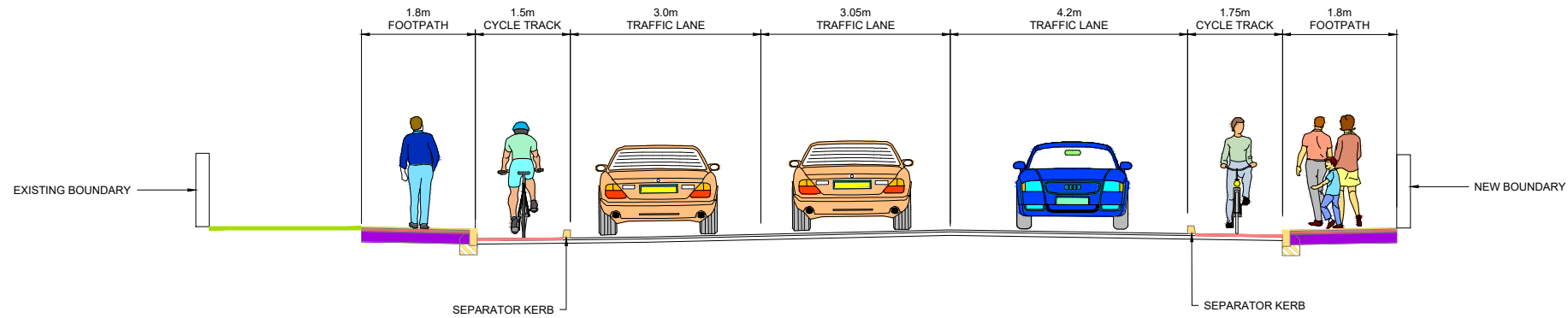
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 CLONSILLA ROAD JCT. (EAST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151

**NOTES:**

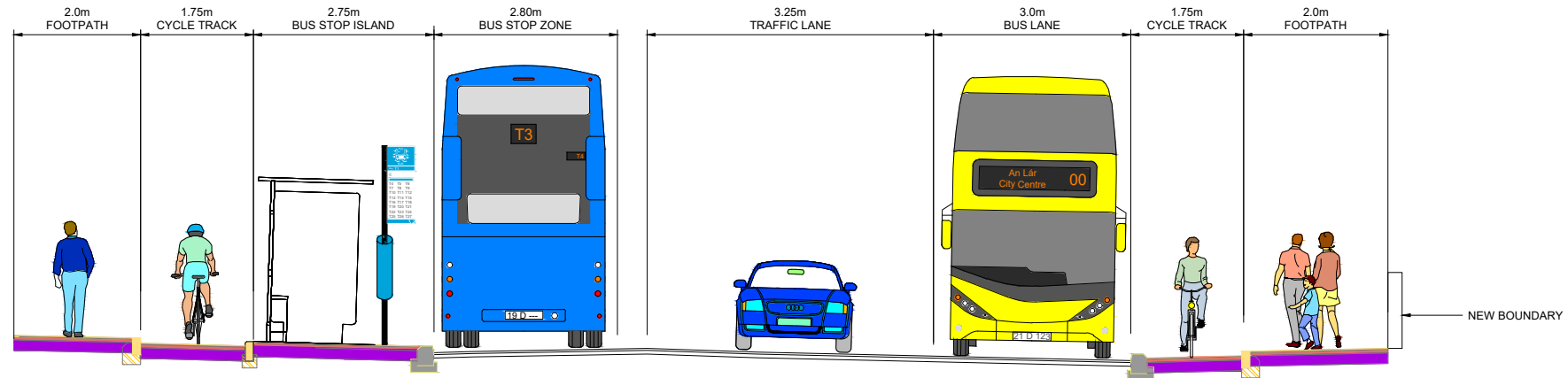
1. FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0151
2. THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
3. THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

Client	Tionscadal Éireann Project Ireland 2040			NTA Údarás Náisiúnta Iomparáil National Transport Authority			Iarród Éireann Irish Rail				
Consultant	IDOM			G5			IROD EIDGHEAN & O'DONOVAN				
Project	DART+ West										
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CLONSILLA ROAD JUNCTION - CROSS SECTIONS SHEET 01 of 03										
Scale:	1:50 @ A1 1:100 @ A3			Drawing Number			Project   Originator   Discipline   Location   Type   Role   Number   Phase				
0 0.625 1.25 2.5			Date: April 2022			Job No: P/101086			Status: F1 - Approved & Accepted		
			Rev: V 01			Sheet: 01 of 03					

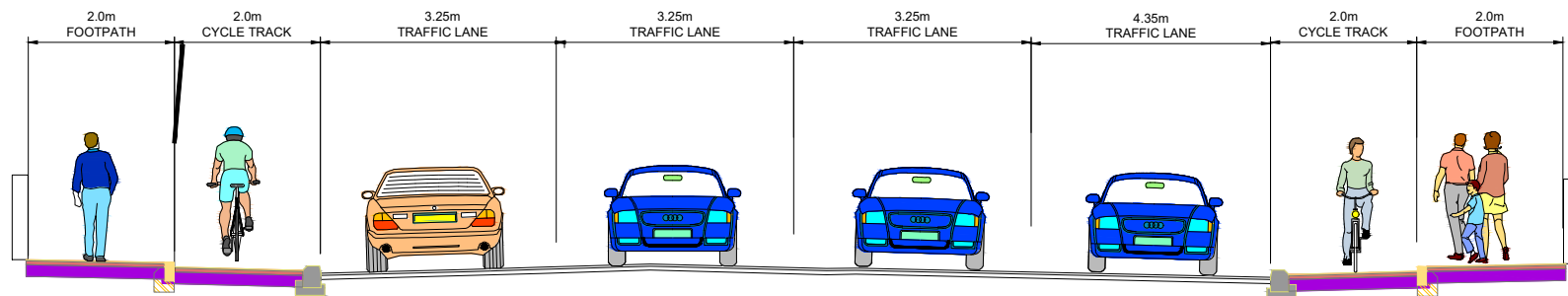
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TYPICAL CROSS SECTION D-D  
 CLONSILLA ROAD JCT. (EAST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151



TYPICAL CROSS SECTION E-E  
 CLONSILLA ROAD JCT. (NORTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151



TYPICAL CROSS SECTION F-F  
 CLONSILLA ROAD JCT. (NORTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151

**NOTES:**

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V 01	April 2022	PLANNING ISSUE	KH	TL	MK

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

Client

Project

Consultant

Drawing Title

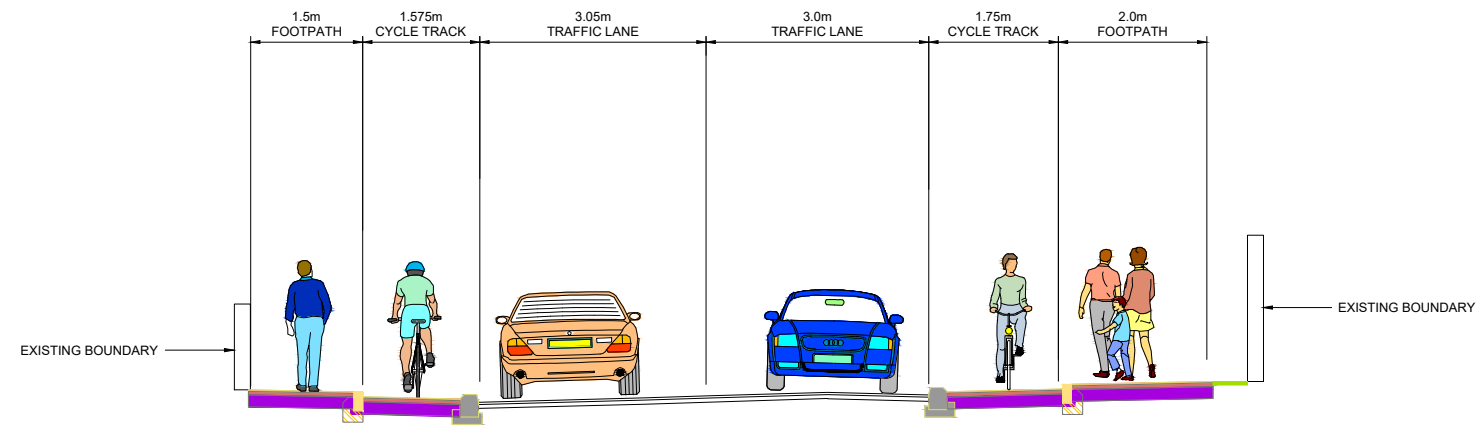
ROADWORKS DESIGN - LC02: COOLMINE  
 CLONSILLA ROAD JUNCTION - CROSS SECTIONS  
 SHEET 02 of 03

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY MDC HRW LC02 DR C 0171 D

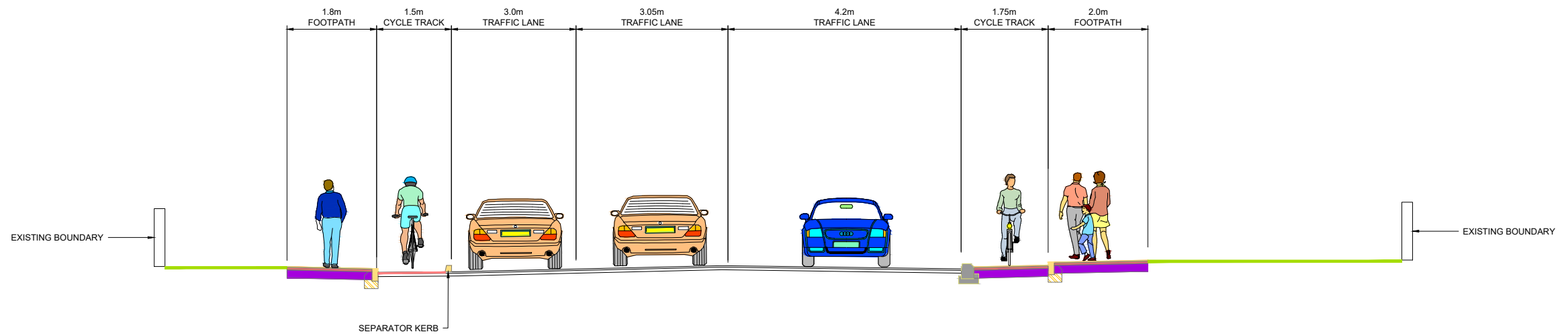
Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 02 of 03

Scale: 1:50 @ A1 1:100 @ A3





TYPICAL CROSS SECTION G-G  
 CLONSILLA ROAD JCT. (WEST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151



TYPICAL CROSS SECTION H-H  
 CLONSILLA ROAD JCT. (WEST)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0151

- NOTES:**
- FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0151
  - THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
  - THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

V 01		April 2022	PLANNING ISSUE	KH	TL	MK	Client			Project			Drawing Title							
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY		Consultant					ROADWORKS DESIGN - LC02: COOLMINE CLONSILLA ROAD JUNCTION - CROSS SECTIONS SHEET 03 of 03								
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									1:50 @ A1 1:100 @ A3		April 2022		P/101086		F1 - Approved & Accepted		V 01		Sheet: 03 of 03	



SHEET 1 OF 2  
1:250@A1;1:500@A3

SHEET 2 OF 2  
1:250@A1;1:500@A3

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- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

Client	Tionscaldal Éireann Project Ireland 2040		
Consultant	IDOM	NTA Údarás Náisiúnta Iomparáil National Transport Authority	IRÓD RÓDUGHAN & Ó'DONOVAN
Project	DART+ West		
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CASTLEKNOCK ROAD JUNCTION - GENERAL ARRANGEMENT SHEET LAYOUT		
Scale:	1:250 @ A1 1:500 @ A3		
Drawing Number	Project	Originator	Discipline
MAY	MDC	HRW	LC02
DR	C	0173	D
Date:	Job No:	Status:	Rev:
April 2022	P/101086	F1 - Approved & Accepted	V 01
Sheet: 01 of 01			

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**NOTES**

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2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

Client	Tionscald Éireann Project Ireland 2040	NTA Udarás Náisiúnta Iompartha National Transport Authority	Iarnród Éireann Irish Rail					
Consultant	IDOM	IRROD						
Project	DART+ West							
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CASTLEKNOCK ROAD JUNCTION - GENERAL ARRANGEMENT SHEET 1 OF 2							
Scale:	1:250 @ A1 1:500 @ A3							
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC02	DR	C		0174	D
Date:	Job No:	Status:	Rev:					
April 2022	P/101086	F1 - Approved & Accepted	V 01	Sheet: 01 of 02				

Client

Consultant

Project

Drawing Title

Scale:

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

Date: | Job No: | Status: | Rev:

Client

Consultant

Project

Drawing Title

Scale:

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Date: | Job No: | Status: | Rev:

Client

Consultant

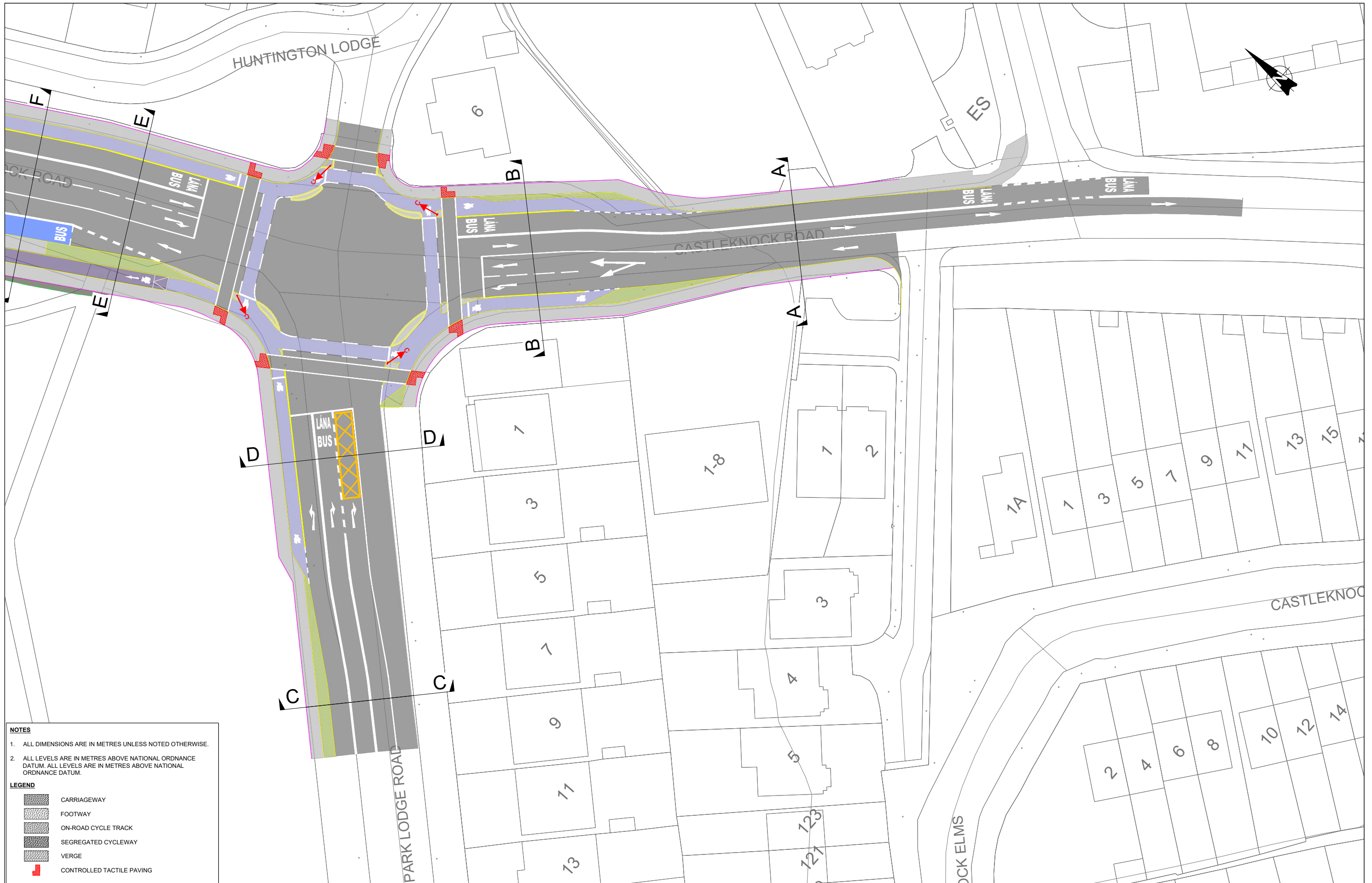
Project

Drawing Title

Scale:

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

Date: | Job No: | Status: | Rev:



**NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM.

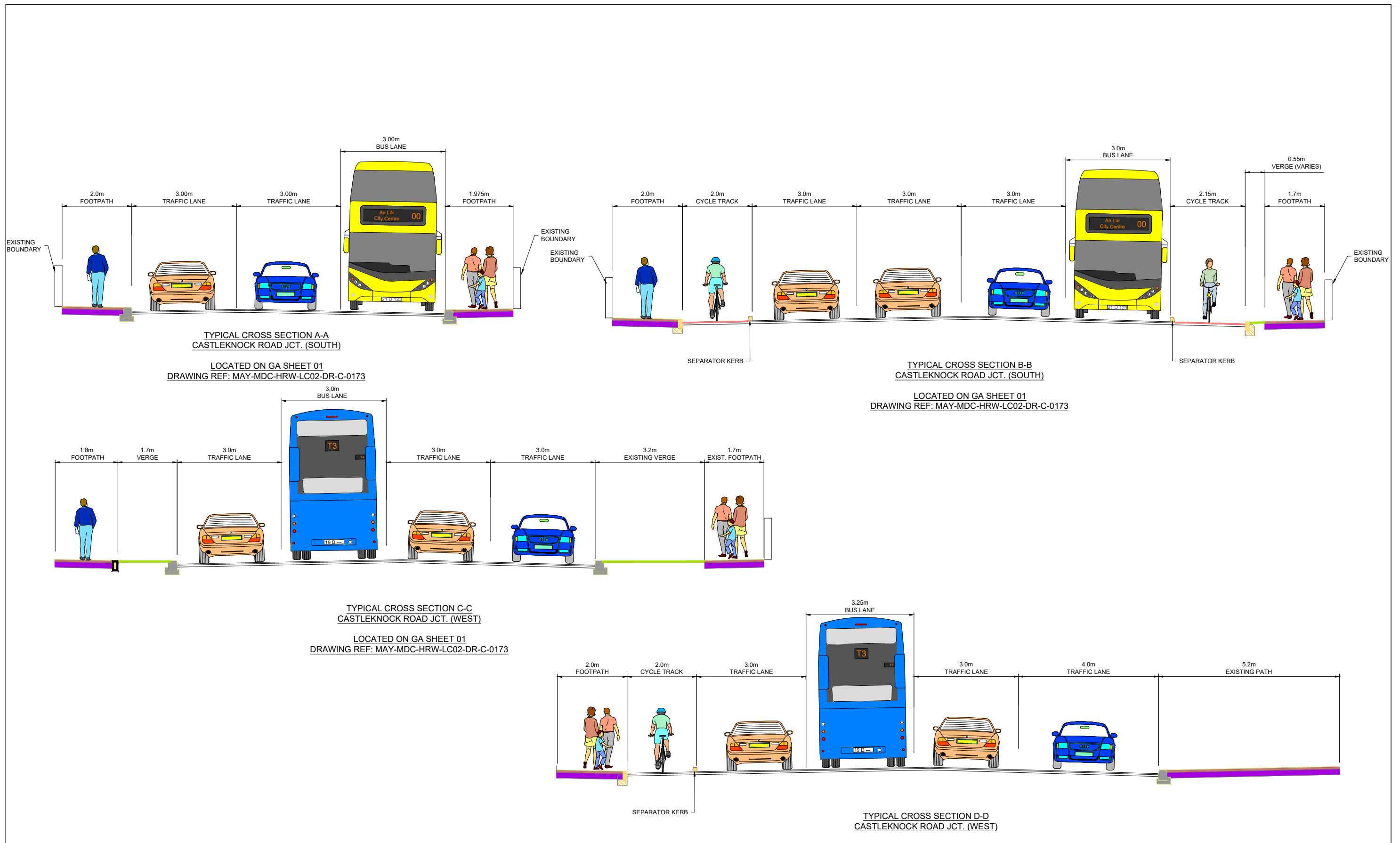
**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING

Client	Tionscatal Eireann Project Ireland 2040	NTA Udarás Náisiúnta Iompartha National Transport Authority	lanróid Éireann Irish Rail
Consultant	IDOM	CS	PROD
Project	DART+ West		
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CASTLEKNOCK ROAD JUNCTION - GENERAL ARRANGEMENT SHEET 2 OF 2		
Scale:	1:250 @ A1 1:500 @ A3		
Drawing Number	Project	Originator	Discipline
MAY	MDC	HRW	LC02
Date:	April 2022	Job No:	P/101086
Status:	F1 - Approved & Accepted		Rev:
V 01	April 2022	PLANNING ISSUE	JMC TL MK
REV.	DATE	DESCRIPTION	PRODUCED BY REVIEWED BY APPROVED BY

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Date:	April 2022	Job No:	P/101086	Status:	F1 - Approved & Accepted	Rev:	V 01	Sheet:	02 of 02
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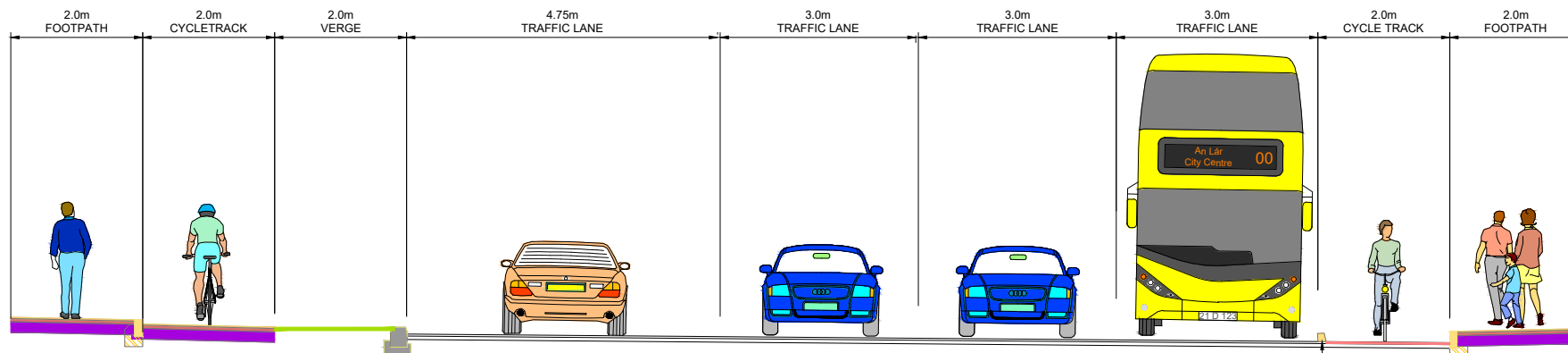


**NOTES:**

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- THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

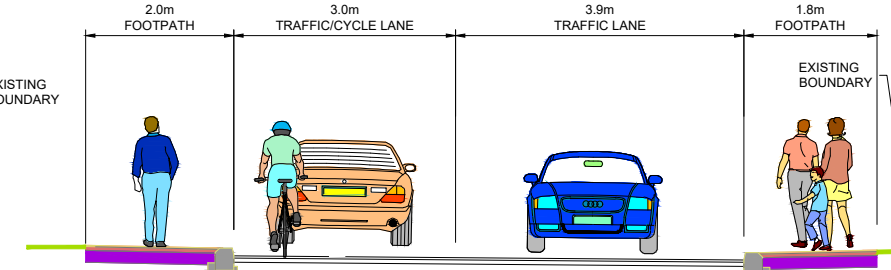
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V 01	April 2022	PLANNING ISSUE	KH	TL	MK											
REV.	DATE	DESCRIPTION	PRODUCED BY / REVIEWED BY / APPROVED BY													
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		<p>Date:</p> <p>April 2022</p>	<p>Job No:</p> <p>P/101086</p>	<p>Status:</p> <p>F1 - Approved &amp; Accepted</p>	<p>Rev:</p> <p>V 01</p>	<p>Sheet: 01 of 02</p>										





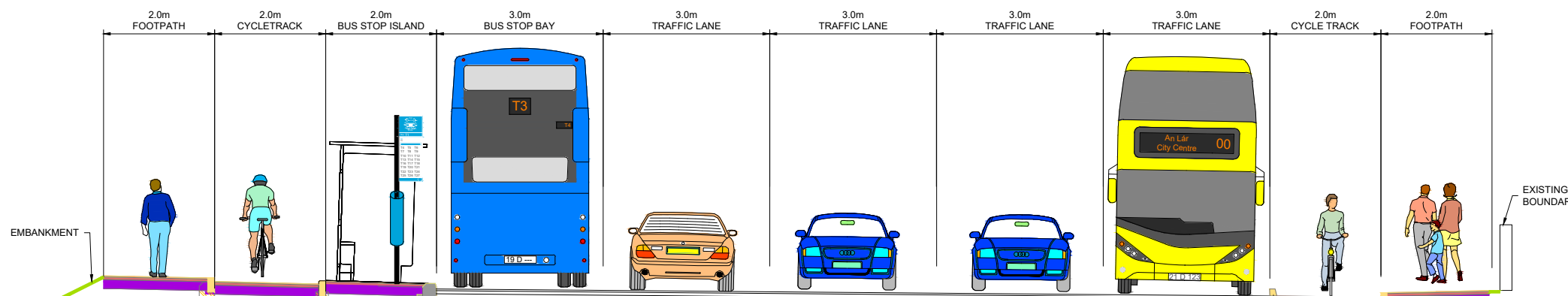
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CASTLEKNOCK ROAD JCT. (NORTH)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0173



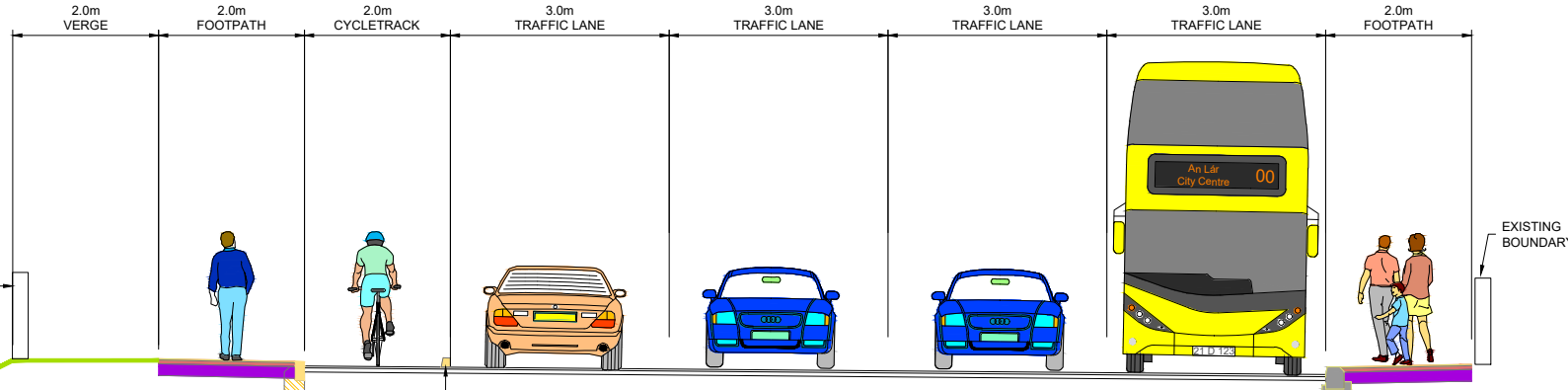
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CASTLEKNOCK ROAD JCT. (NORTH)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0173



TYPICAL CROSS SECTION F-F  
CASTLEKNOCK ROAD JCT. (NORTH)

LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0173



TYPICAL CROSS SECTION G-G  
CASTLEKNOCK ROAD JCT. (NORTH)

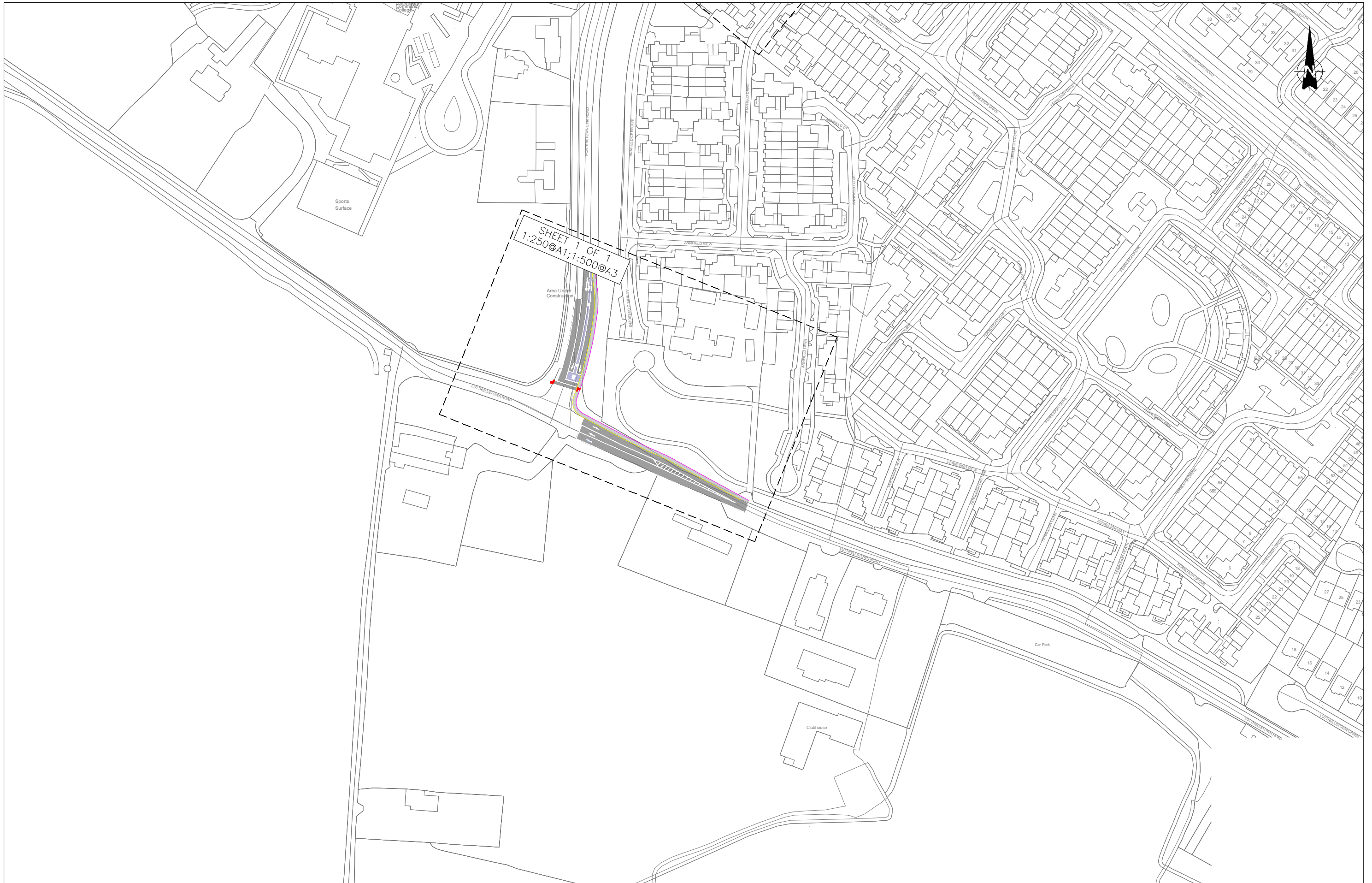
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DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0173

NOTES:

1. FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0173
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Client	Tionscaldal Éireann Project Ireland 2040			NTA Údarás Náisiúnaí National Transport Authority			Iarróid Éireann Irish Rail																							
Consultant	IDOM			G3			FROD KUGRAN & O'BONNYAN																							
Project	DART+ West																													
Drawing Title	ROADWORKS DESIGN - LC02: COOLMINE CASTLEKNOCK ROAD JUNCTION - CROSS SECTIONS SHEET 02 of 02																													
Scale:	1:50 @ A1 1:100 @ A3			Drawing Number			Project			Originator			Discipline			Location			Type			Role			Number			Phase		
Date:	April 2022			Job No:			P/101086			Status:			F1 - Approved & Accepted			Rev:			V 01			Sheet: 02 of 02								

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V 01	April 2022	PLANNING ISSUE	GZ	TL	MK

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 All Co-ordinates are in Irish Transverse Mercator G16 (ITM) as defined by OSi active GPS station Tallaght College (TLLO).

**Client**

**Consultant**

**Project**

**Drawing Title**

ROADWORKS DESIGN - LC02: COOLMINE  
 PORTERSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET LAYOUT

**Scale:**  
 1:250 @ A1 1:500 @ A3

**Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase**  
 MAY MDC HRW LC02 DR C 0188 D

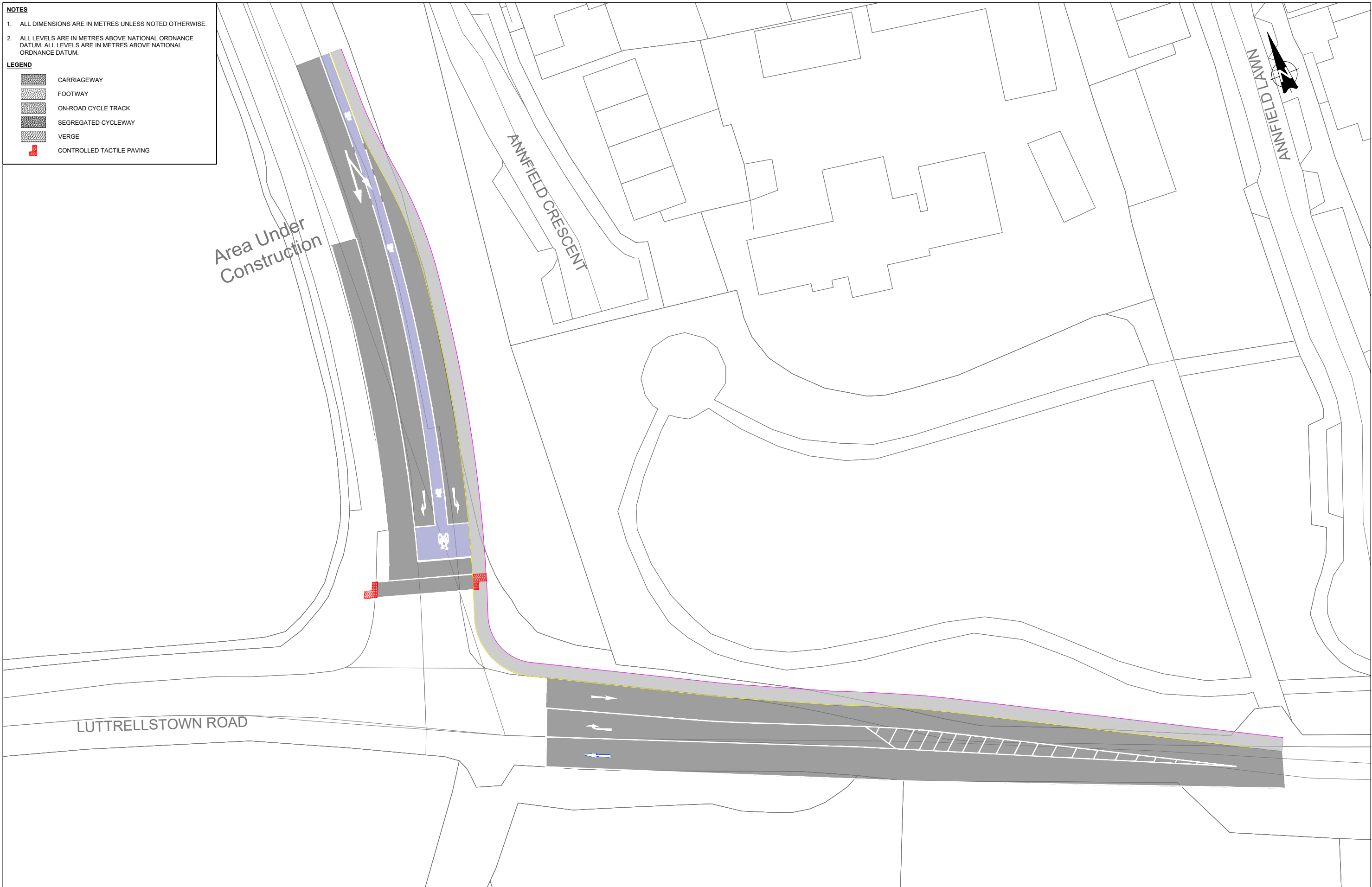
**Date:** April 2022 **Job No:** P/101086 **Status:** F1 - Approved & Accepted **Rev:** V 01 **Sheet:** 01 of 01

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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- ON-ROAD CYCLE TRACK
- SEGREGATED CYCLEWAY
- VERGE
- CONTROLLED TACTILE PAVING



REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
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 All Coordinates are in Irish Transverse Mercator GHD (ETM) as defined by OSi active GPS station Tallaght College (TL10).

**Client**

**Consultant**

**Project**

**Drawing Title**

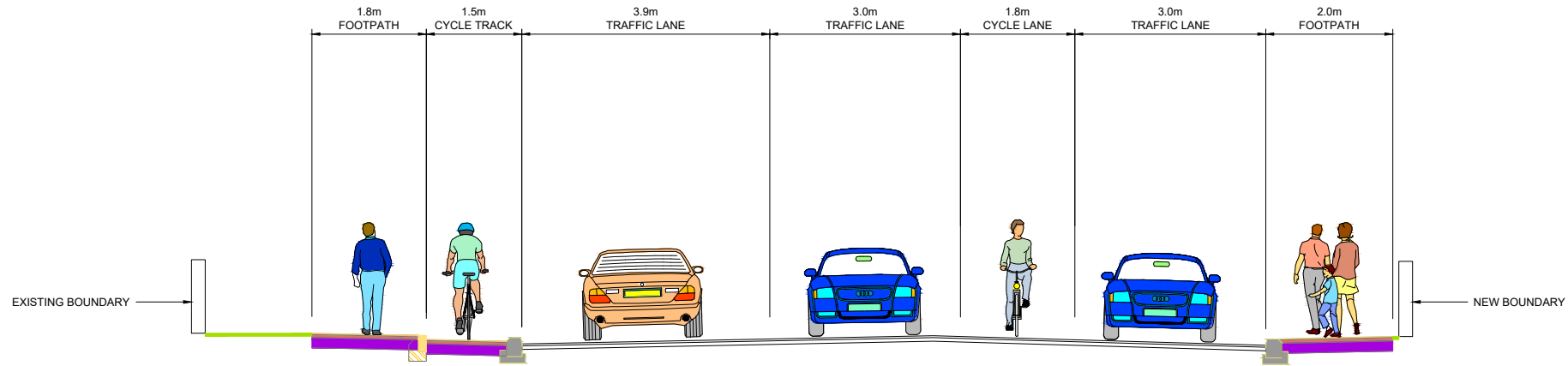
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 PORTERSTOWN ROAD JUNCTION - GENERAL ARRANGEMENT  
 SHEET 1 OF 1

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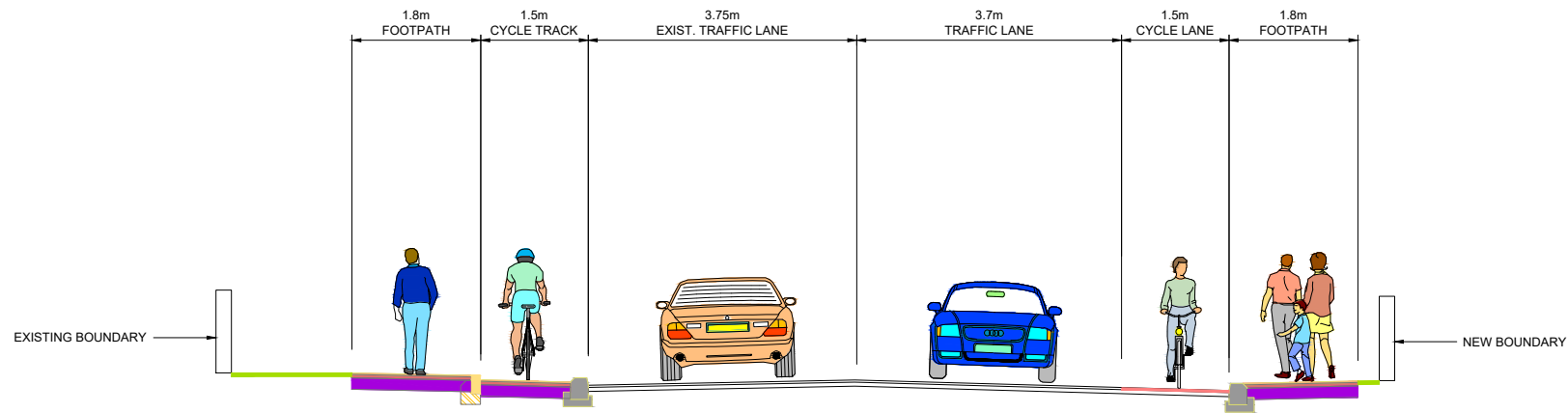
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 MAY MDC HRW LC02 DR C 0189 D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 01 of 01





TYPICAL CROSS SECTION A-A  
 PORTERSTOWN ROAD JCT. (NORTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0188



TYPICAL CROSS SECTION B-B  
 PORTERSTOWN ROAD JCT. (NORTH)  
 LOCATED ON GA SHEET 01  
 DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0188

**NOTES:**

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V 01	April 2022	PLANNING ISSUE	KH	TL	MK

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 All Coordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLO).

Client

Project

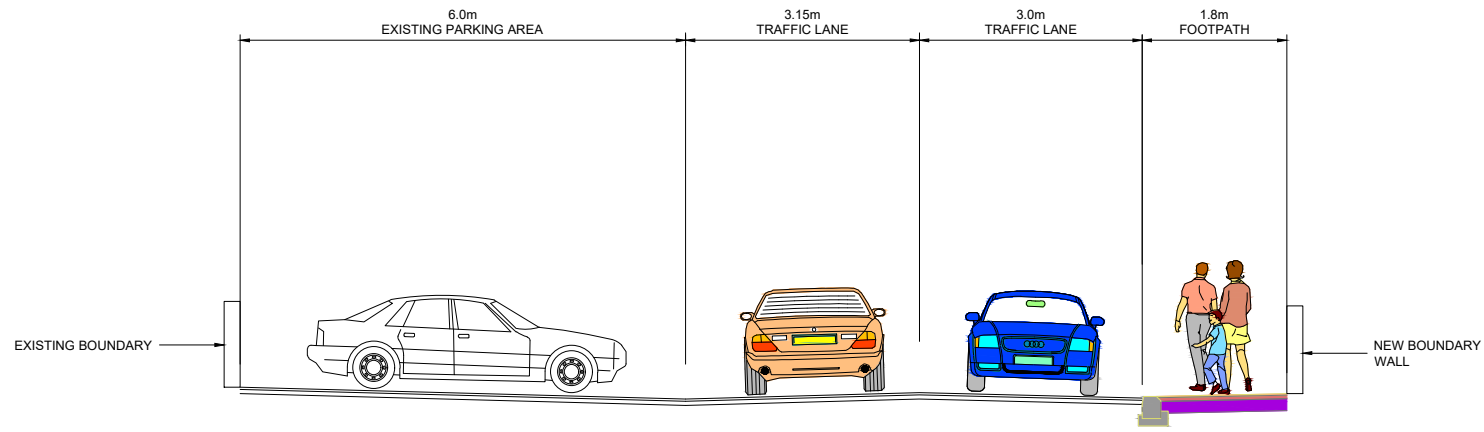
Consultant

Drawing Title

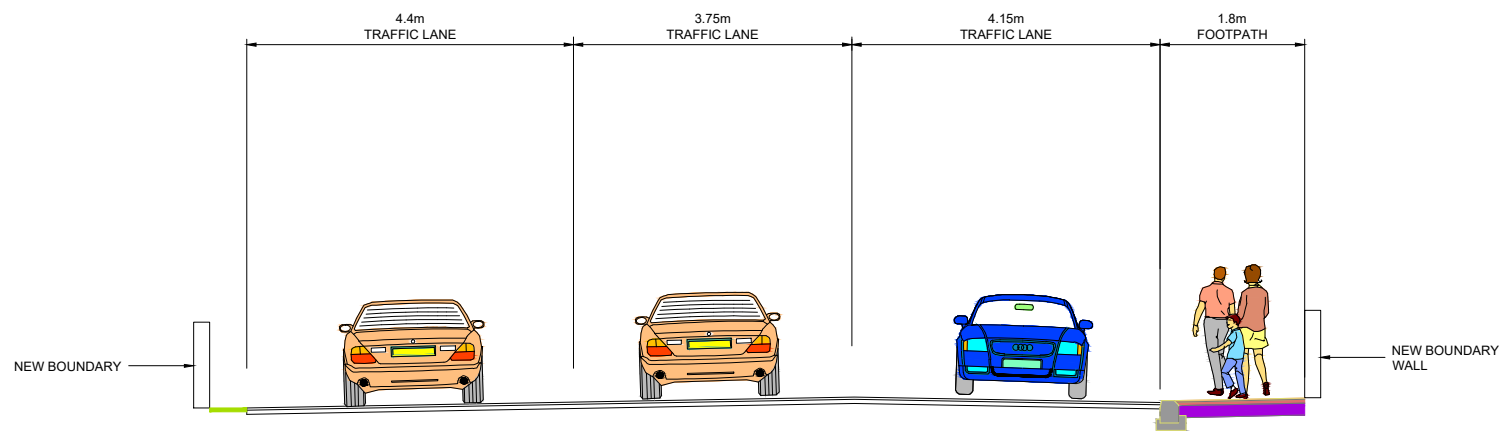
ROADWORKS DESIGN - LC02: COOLMINE  
 PORTERSTOWN ROAD JUNCTION - CROSS SECTIONS  
 SHEET 01 of 02

Scale: 1:50 @ A1 1:100 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC02	DR	C	0195	D	
Date:	Job No:	Status:	Rev:	Sheet:				
April 2022	P/101086	F1 - Approved & Accepted	V 01	01 of 02				



TYPICAL CROSS SECTION C-C  
PORTERSTOWN ROAD JCT. (EAST)  
LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0188



TYPICAL CROSS SECTION C-C  
PORTERSTOWN ROAD JCT. (EAST)  
LOCATED ON GA SHEET 01  
DRAWING REF: MAY-MDC-HRW-LC02-DR-C-0188

**NOTES:**

1. FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC02-DR-C-0188
2. THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
3. THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	April 2022	PLANNING ISSUE	KH	TL	MK

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Client

Project

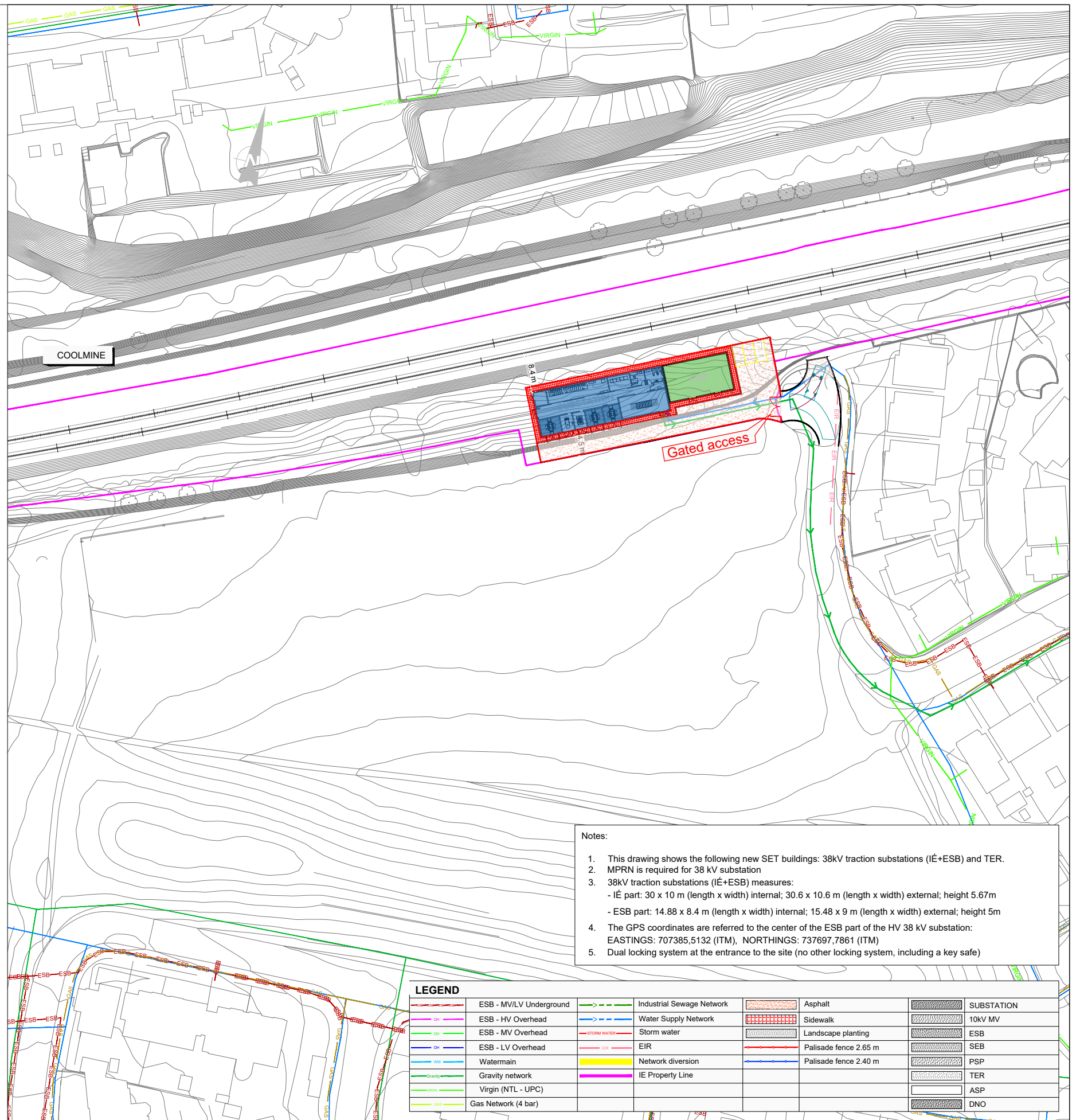
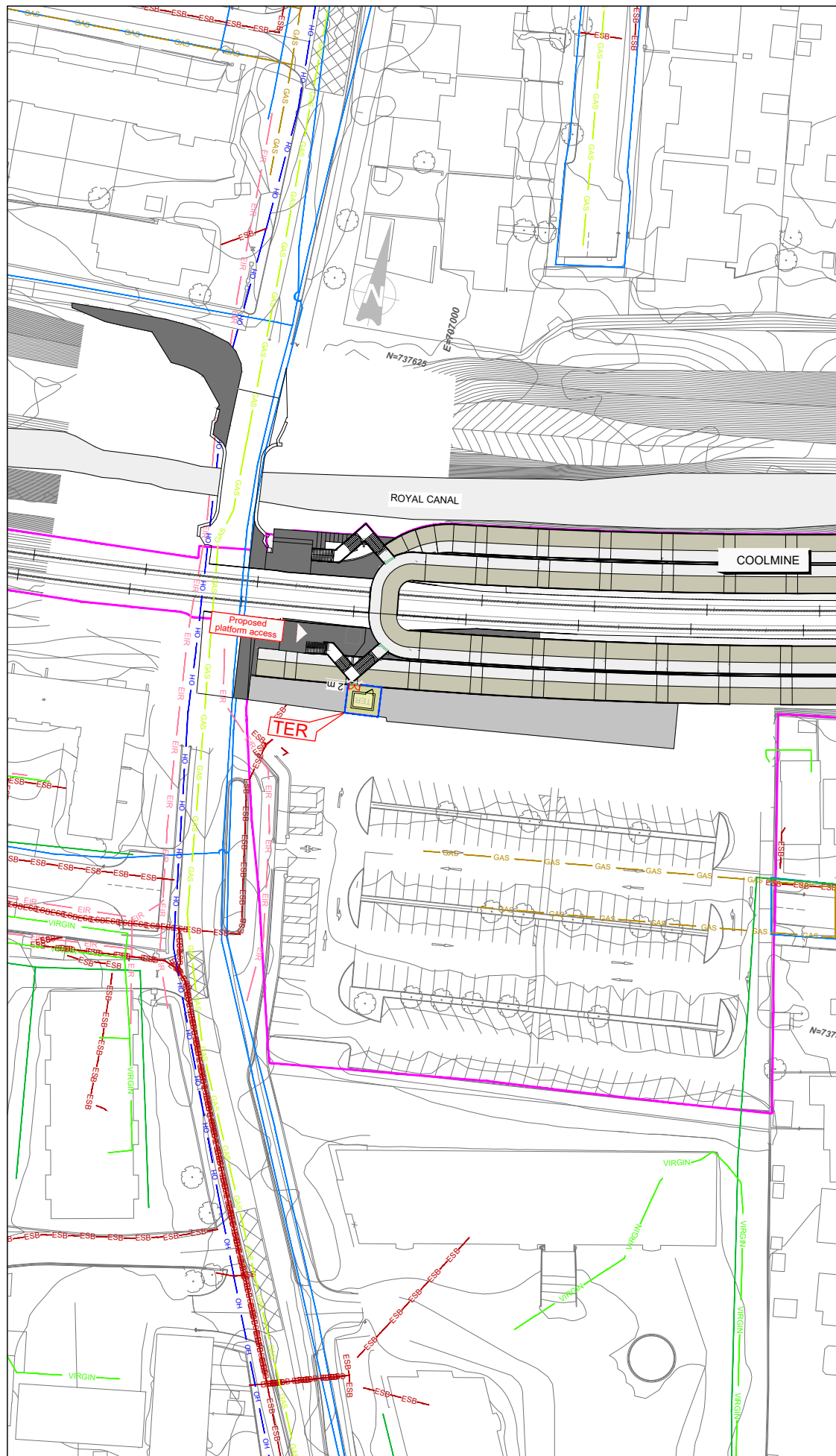
Consultant

Drawing Title

ROADWORKS DESIGN - LC02: COOLMINE  
PORTERSTOWN ROAD JUNCTION - CROSS SECTIONS  
SHEET 02 of 02

Scale:  
1:50 @ A1 1:100 @ A3

Date:	April 2022	Job No:	P/101086	Status:	F1 - Approved & Accepted	Rev:	V 01	Sheet:	02 of 02
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- Notes:
1. This drawing shows the following new SET buildings: 38kV traction substations (IÉ+ESB) and TER.
  2. MPRN is required for 38 kV substation
  3. 38kV traction substations (IÉ+ESB) measures:  
 - IÉ part: 30 x 10 m (length x width) internal; 30.6 x 10.6 m (length x width) external; height 5.67m  
 - ESB part: 14.88 x 8.4 m (length x width) internal; 15.48 x 9 m (length x width) external; height 5m
  4. The GPS coordinates are referred to the center of the ESB part of the HV 38 kV substation:  
 EASTINGS: 707385,5132 (ITM), NORTHINGS: 737697,7861 (ITM)
  5. Dual locking system at the entrance to the site (no other locking system, including a key safe)

LEGEND	
ESB - MV/LV Underground	Industrial Sewage Network
ESB - HV Overhead	Water Supply Network
ESB - MV Overhead	Storm water
ESB - LV Overhead	EIR
Watermain	Network diversion
Gravity network	IÉ Property Line
Virgin (NTL - UPC)	
Gas Network (4 bar)	
Asphalt	SUBSTATION
Sidewalk	10kV MV
Landscape planting	ESB
Palisade fence 2.65 m	SEB
Palisade fence 2.40 m	PSP
	TER
	ASP
	DNO

V01	April 2022	PLANNING ISSUE	MCG	MPT	CCS
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
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Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Údair Náisiúnta Iompar  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

G3

IRIOD  
RODRIGAN & O'SHEEHAN

Project

DART+  
West

Drawing Title

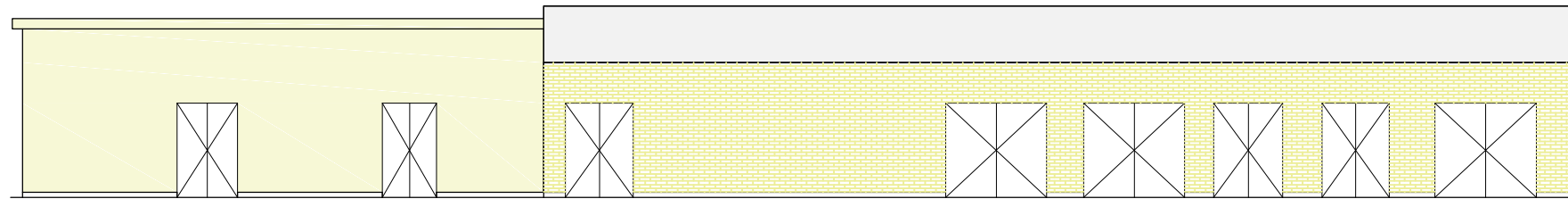
SET TECHNICAL BUILDINGS  
COOLMINE

Scale:  
1:500 @ A1

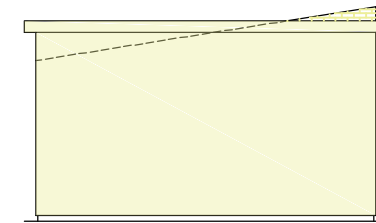
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MAY MDC SET RS10 DR Z 0003 D

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



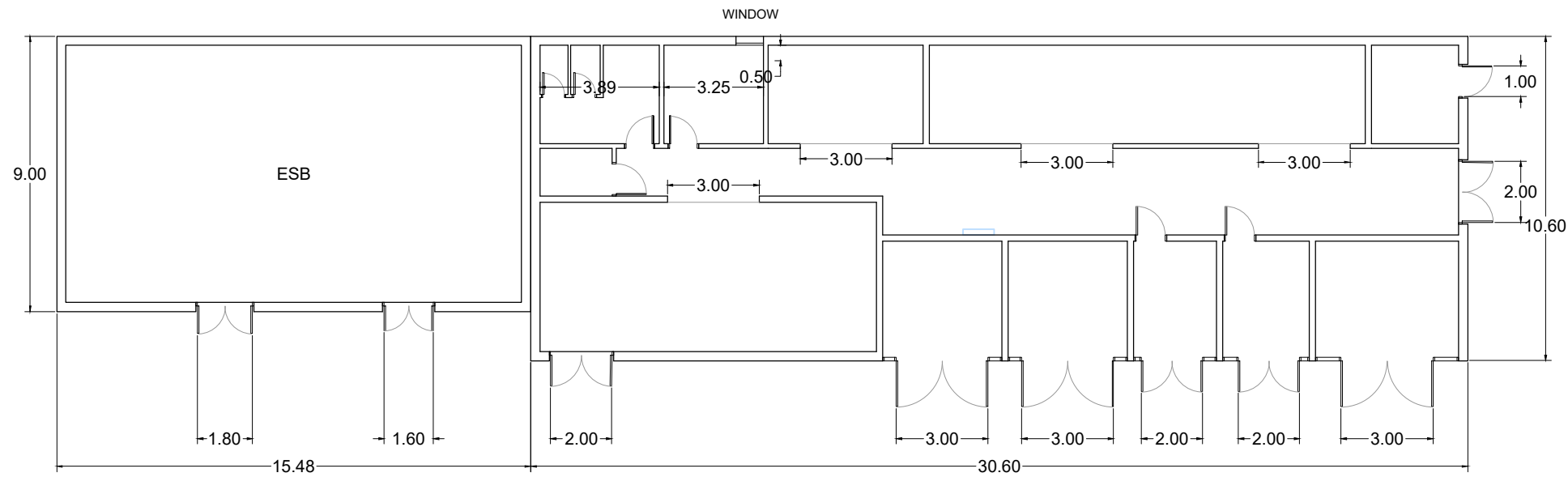


FRONT VIEW



VIEW 1-1'

①



PLAN VIEW

①'

REV	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	MCG	MPT	CCS

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Client

Consultant

Project

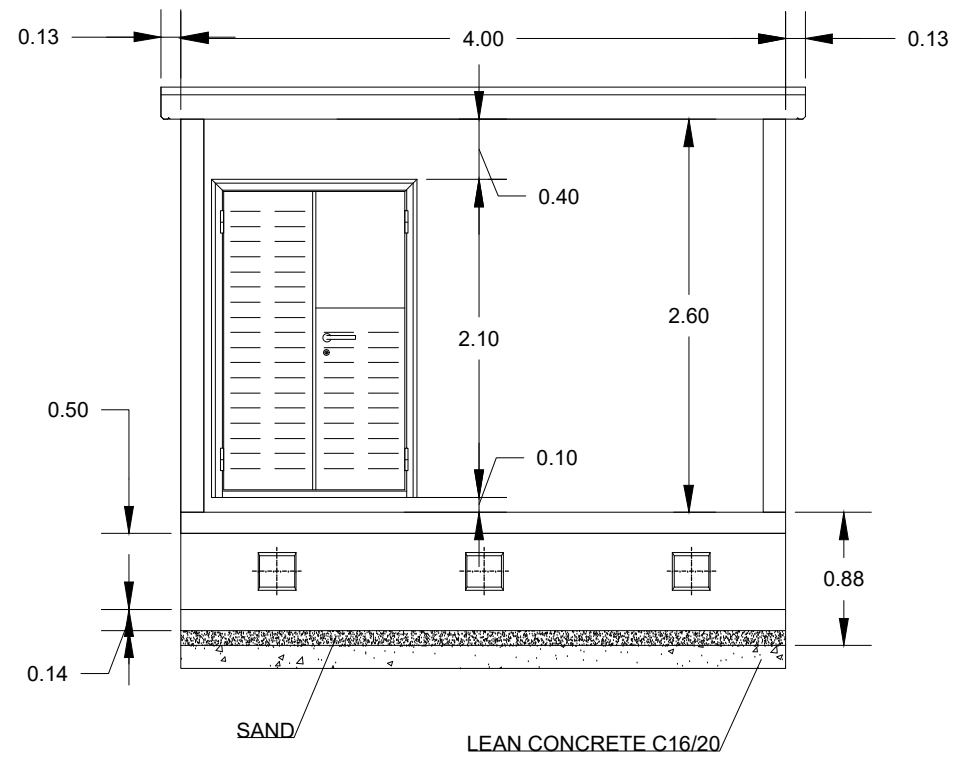
Drawing Title

SET TECHNICAL BUILDINGS  
COOLMINE BUILDINGS DETAIL

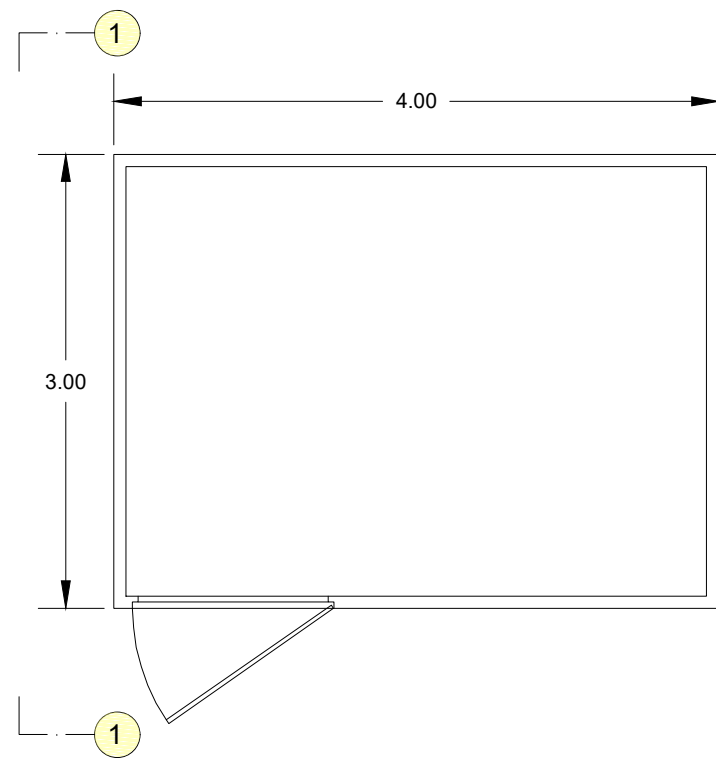
Scale: 1/200@A3

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	01 of 02

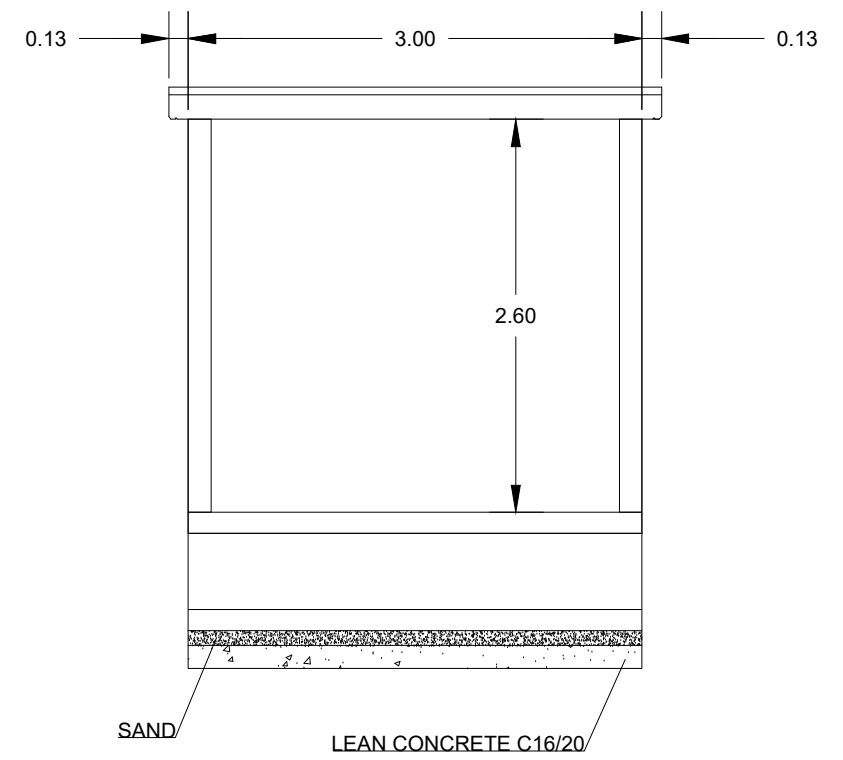
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY MDC SET RS10 DR Z 0010 D



FRONT VIEW



PLANT VIEW



VIEW 1'-1'

TER BUILDING

REV	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	MCG	MPT	CCS

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Client

Consultant

Project

Drawing Title

SET TECHNICAL BUILDINGS  
COOLMINE BUILDINGS DETAIL

Scale: 1:20@ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY MDC SET RS10 DR Z 0010							0010	D

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	01 of 02