

STATION ACCESS  
 CIE PROPERTY BOUNDARY

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	GDV	JDR	CCH

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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

Consultant

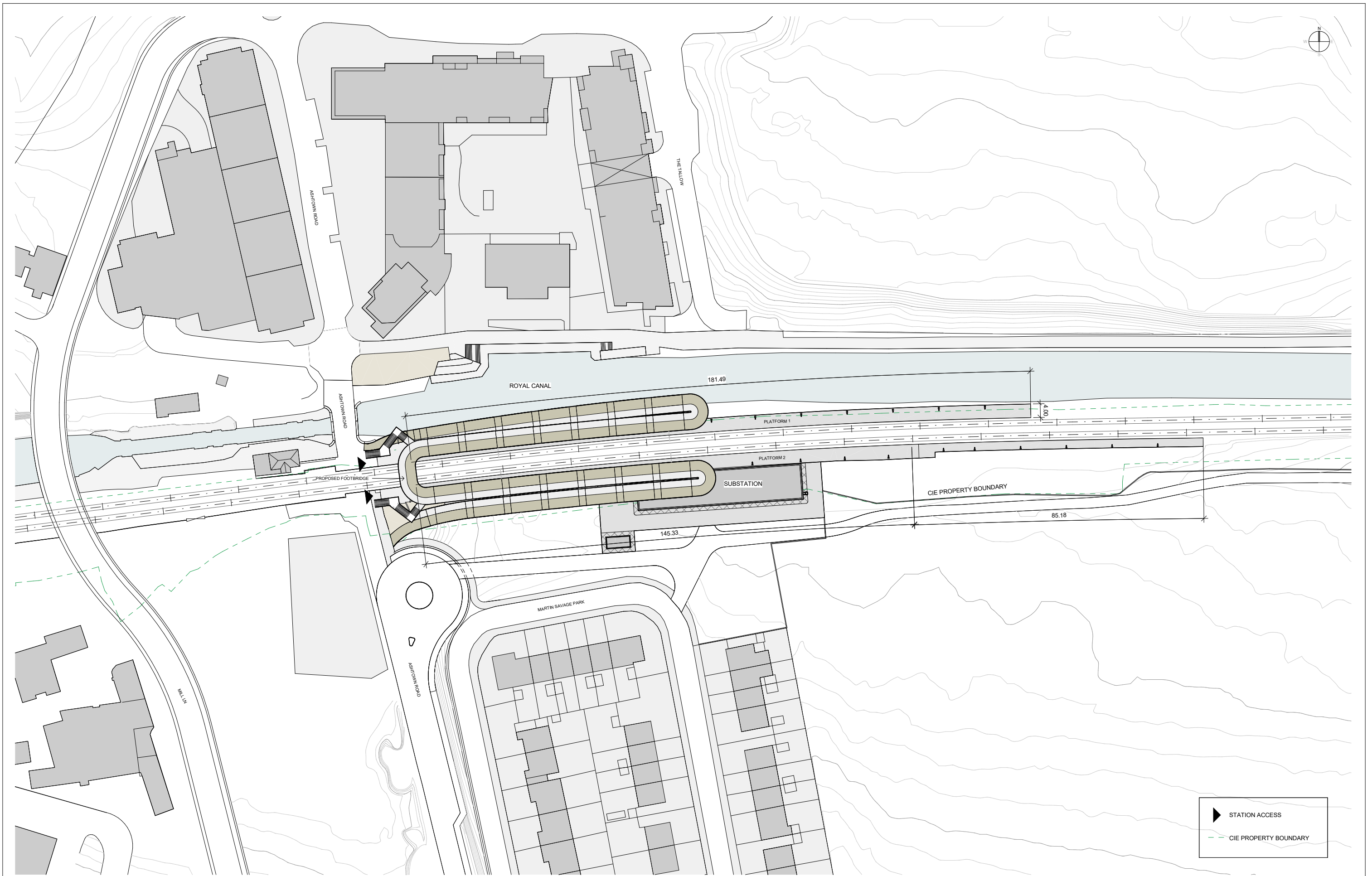
Project

Drawing Title

STATION DESIGN  
ASHTOWN STATION  
STATION LOCATION. EXISTING

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

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS07	DR	A	0001	D
Date:	Job No:	Status:	Rev:					
April 2022	P/101086	F1 - Approved & accepted	V01	Sheet: 1 of 2				



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Client

Consultant

Project

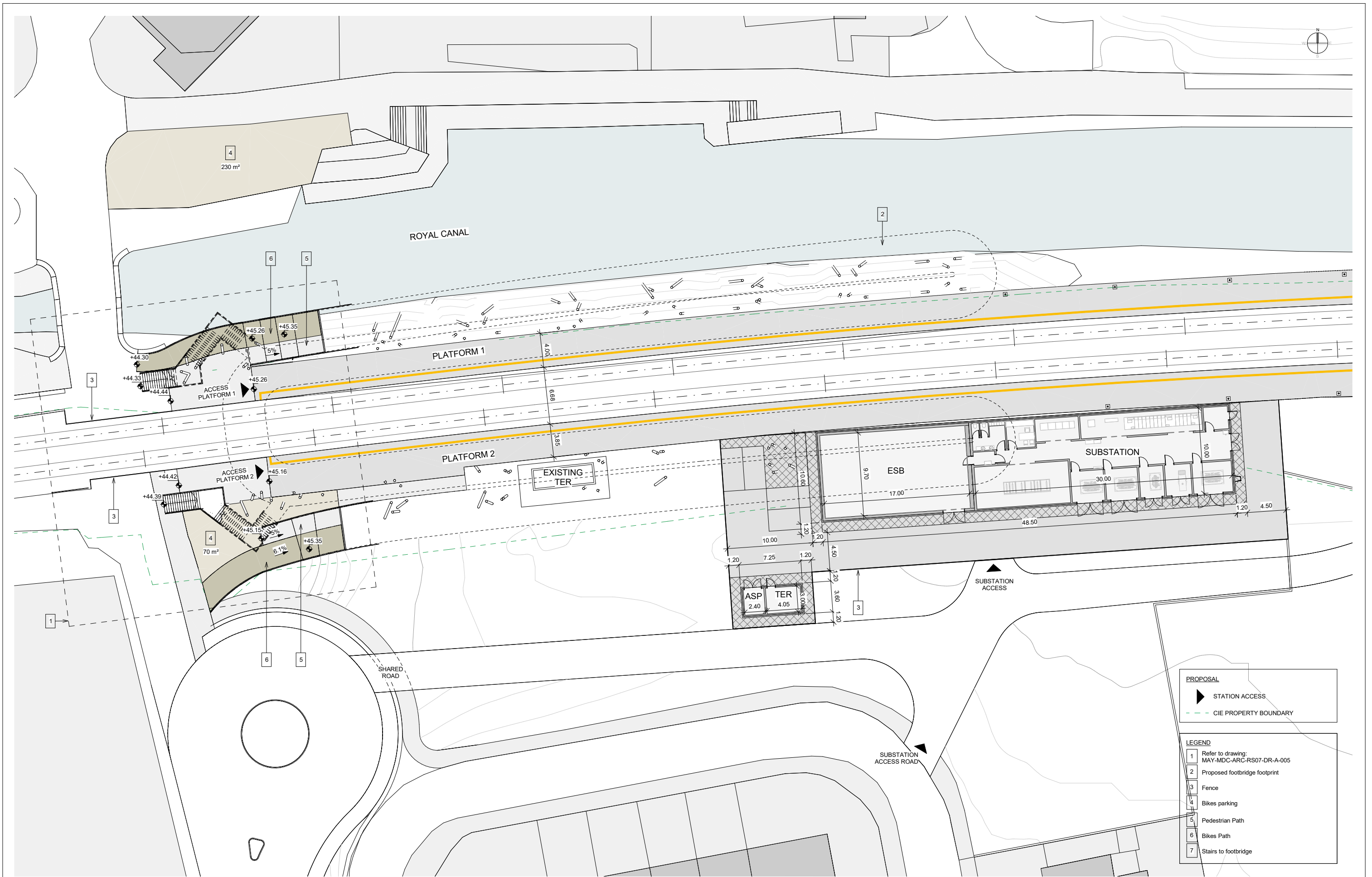
Drawing Title

### STATION DESIGN ASHTOWN STATION STATION LOCATION, PROPOSED

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

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS07	DR	A	0001	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  
Náisiúnta Náisiúnta Iompartha  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

JROD  
EÓIRIÁIN & D'ÓDORÁIN

Project

DART+  
West

Drawing Title

STATION DESIGN  
ASHTOWN STATION  
PLATFORM LEVEL PLAN

Drawing Number

MAY MDC ARC RS07 DR A 0003 D

Date: April 2022

Job No: P/101086

Status: F1 - Approved & accepted

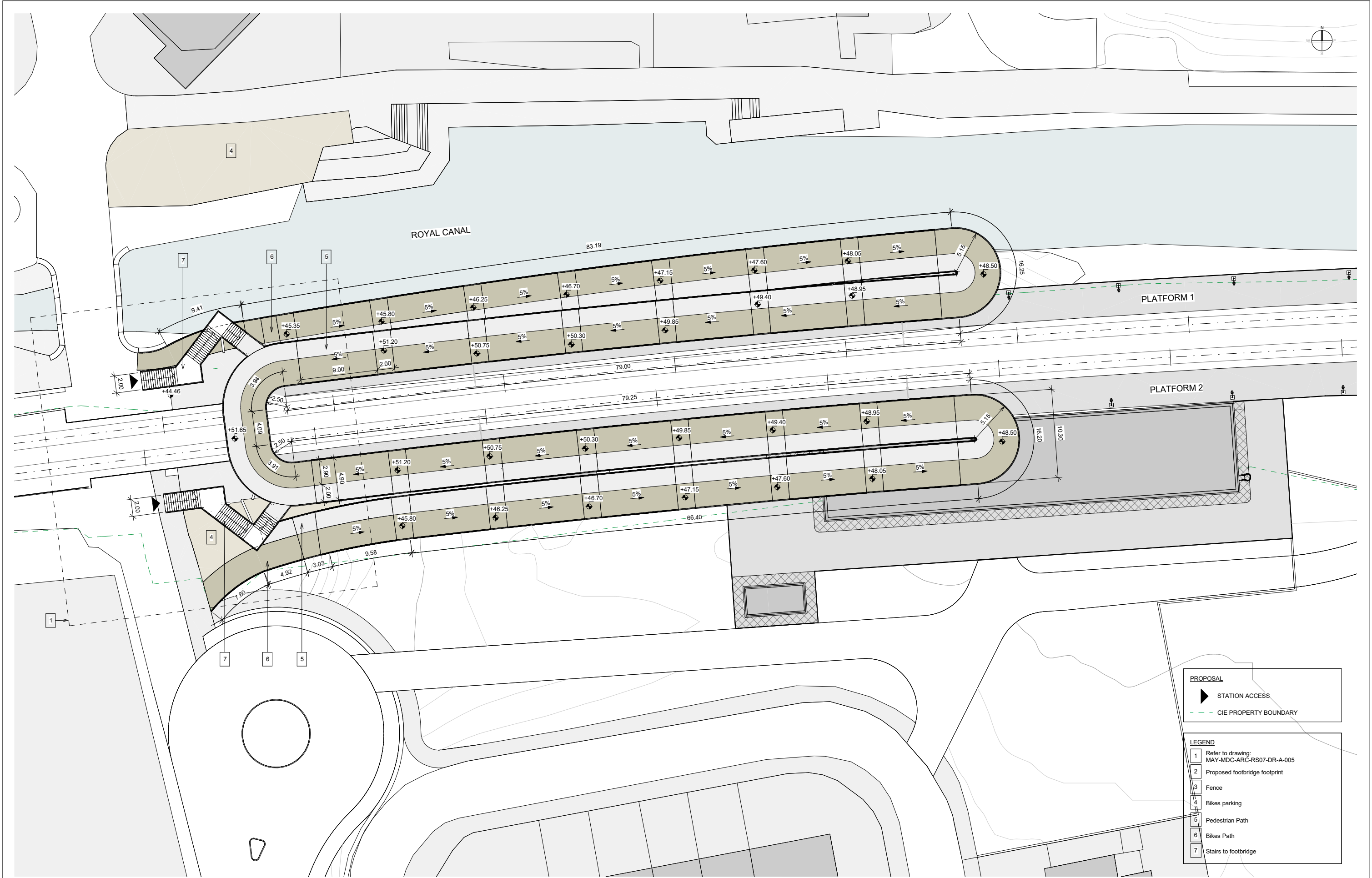
Rev: V01

Sheet: 1 of 2

Scale:

1:200 @ A1 - 1:400 @ A3

0 1 2 3 4 5 10



VO1	April 2022	PLANNING ISSUE	GDV	JDR	CCH
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Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Údarás Náisiúnta Iomparáil  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

PROJOD  
E. O'Riordan & D. O'Donnovan

Project

DART+  
West

Drawing Title

STATION DESIGN  
ASHTOWN STATION  
PLATFORM LEVEL PLAN

Scale:

1:200 @ A1 - 1:400 @ A3

Drawing Number

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

MAY | MDC | ARC | RS07 | DR | A | 0003 | D

Date: April 2022

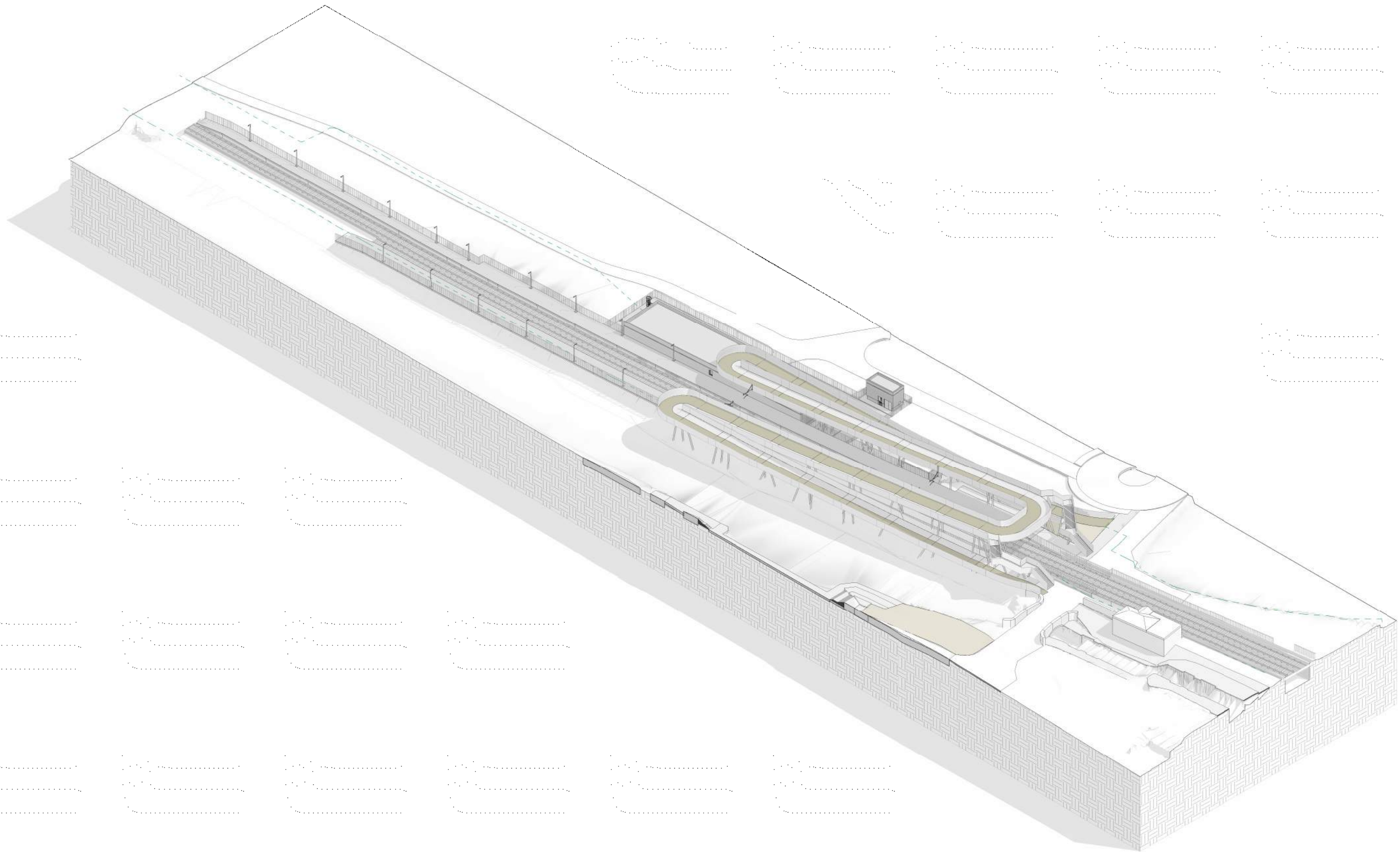
Job No: P/101086

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**Client**

**Consultant**

**Project**

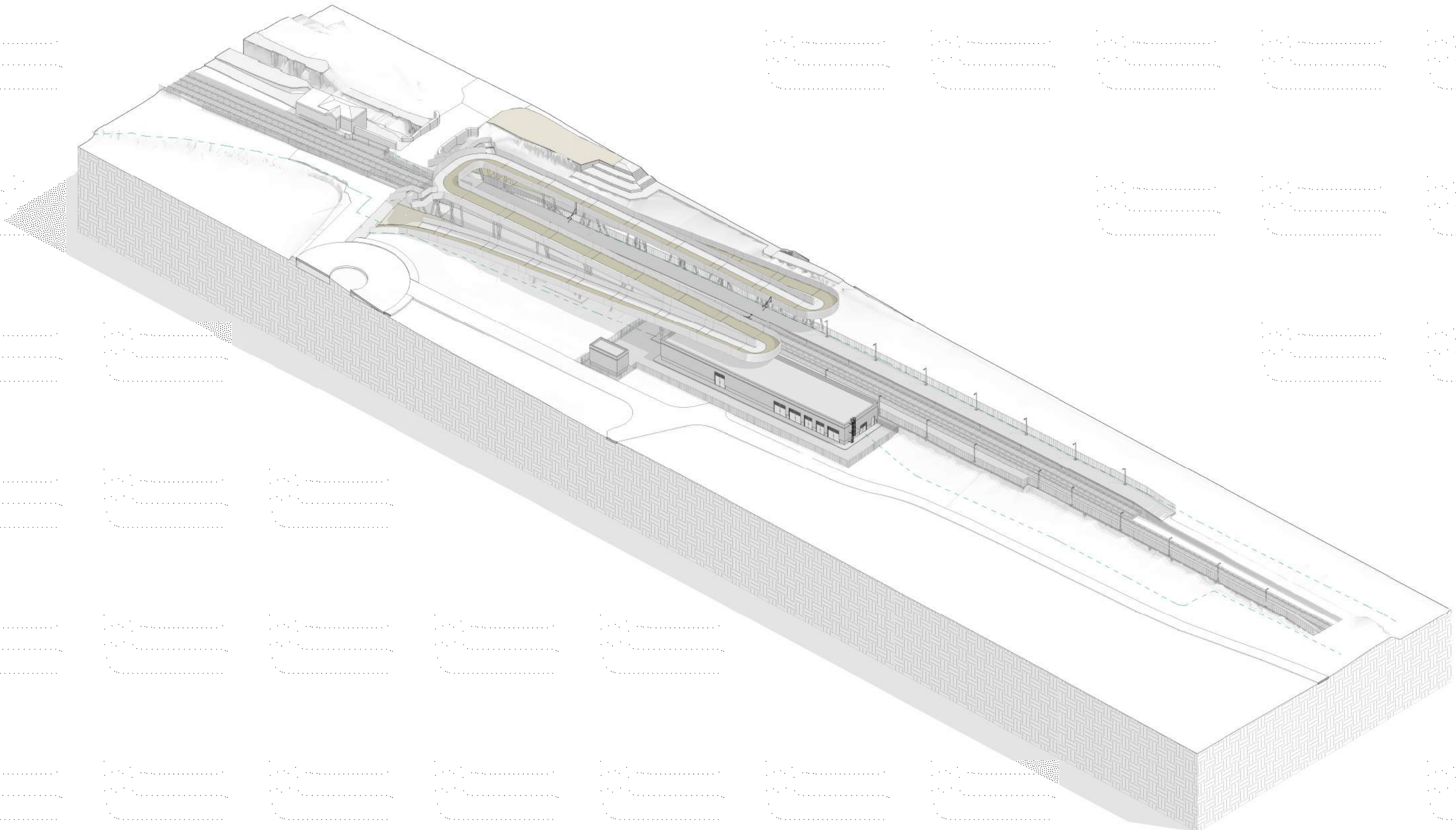
**Drawing Title**

STATION DESIGN  
ASHTOWN STATION  
AXONOMETRIC VIEW

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

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS07	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**

**Consultant**

**Project**

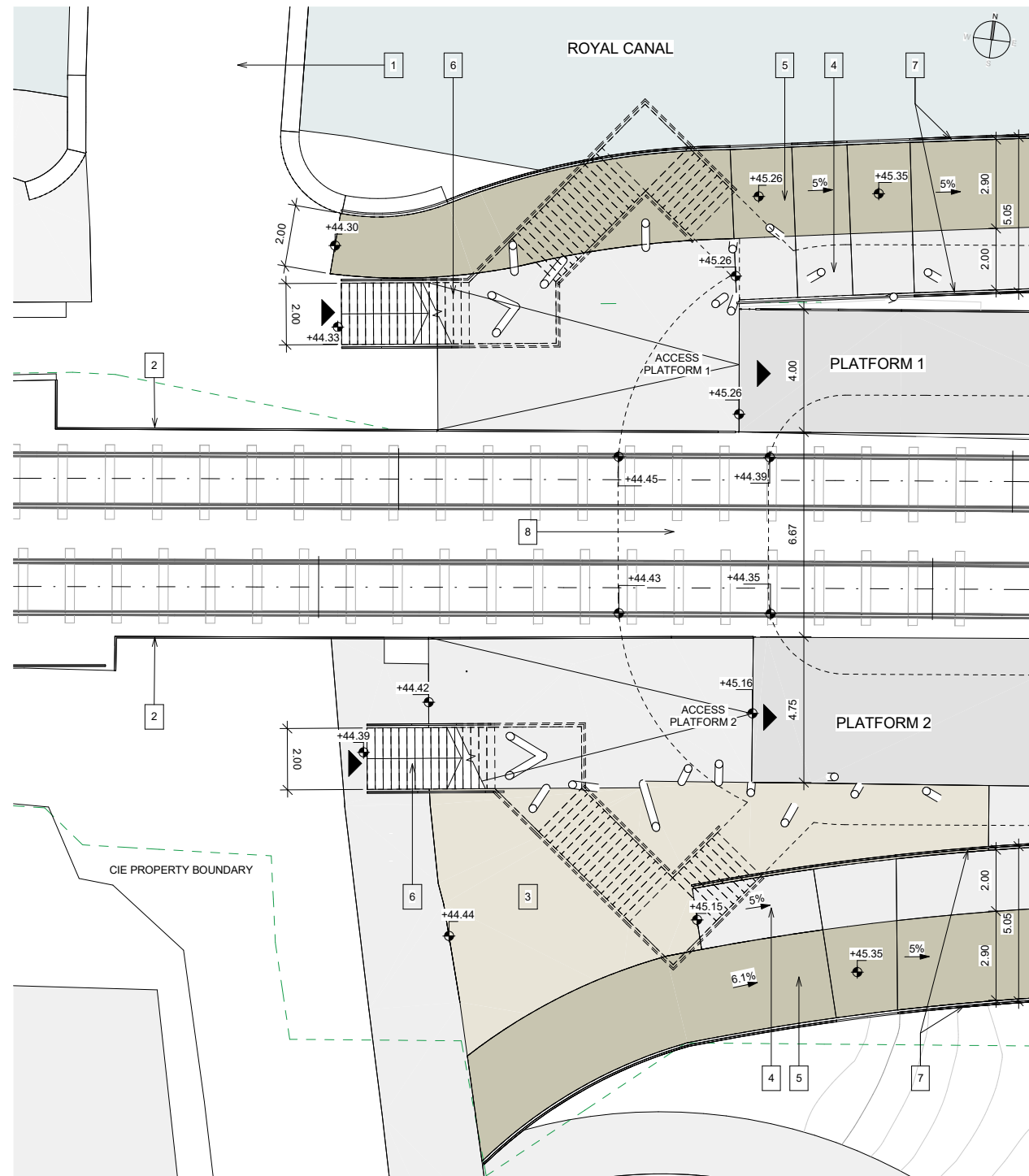
**Drawing Title**

STATION DESIGN  
ASHTOWN STATION  
AXONOMETRIC VIEW

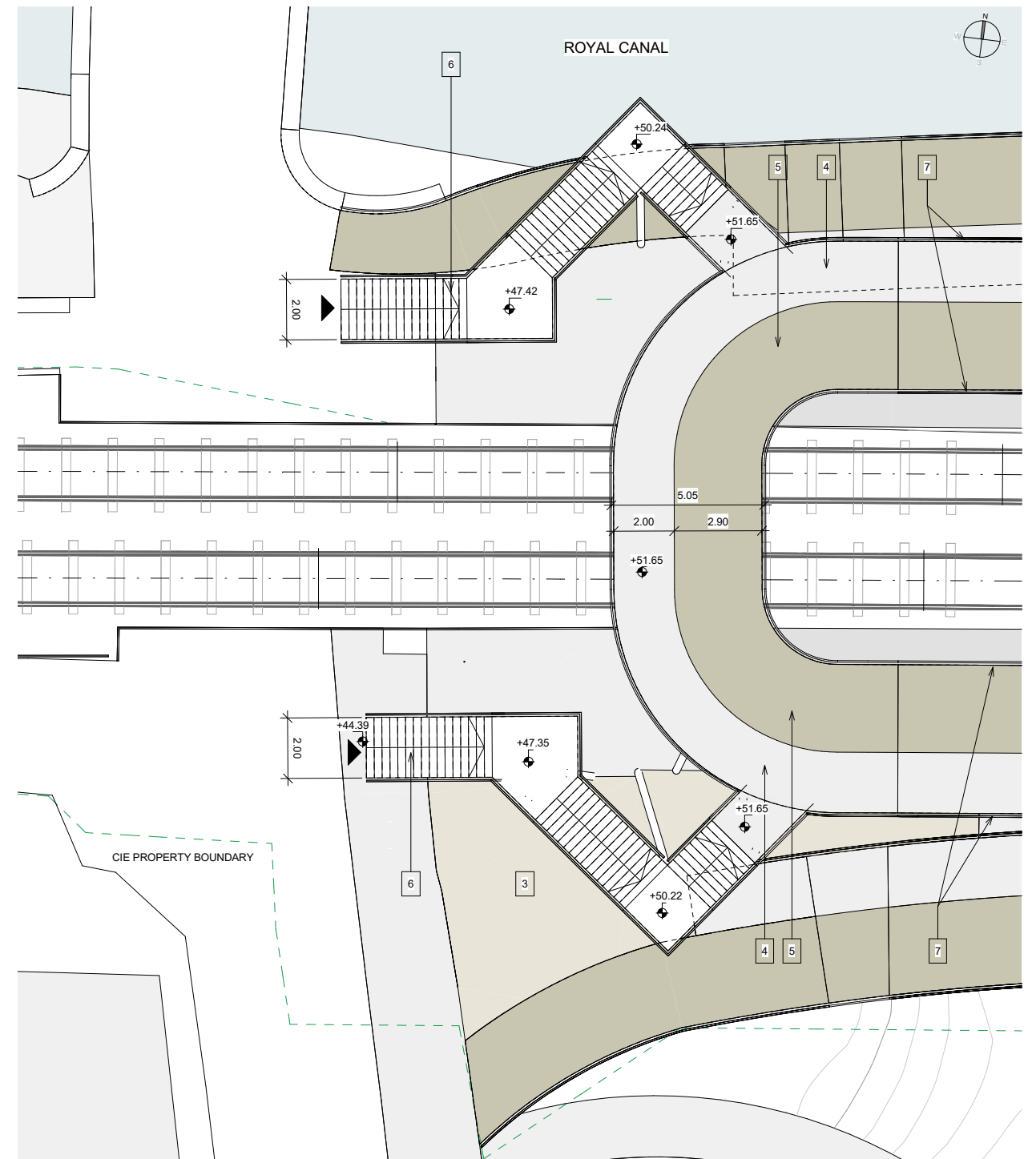
**Scale:**  
1:-- @ A1 - 1:-- @A3

<b>Drawing Number</b>	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS07	DR	A	0004	D
<b>Date:</b>	April 2022	<b>Job No:</b>	P/101086	<b>Status:</b>	F1 - Approved & accepted	<b>Rev:</b>	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	Footbridge railing Variable height 1.40m/1.80m
8	Proposed footbridge footprint

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Client

Consultant

Project

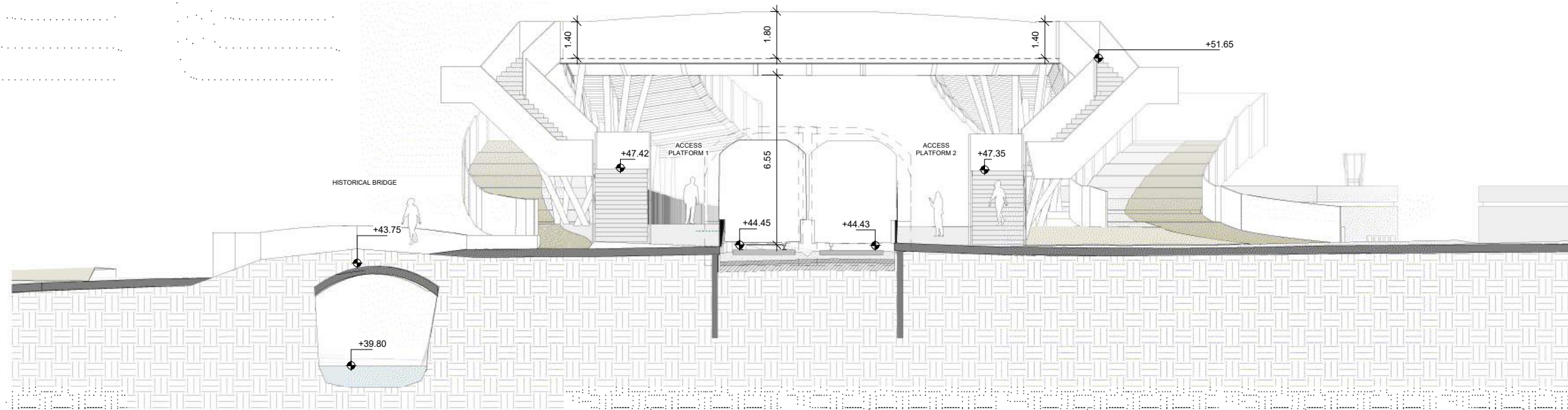
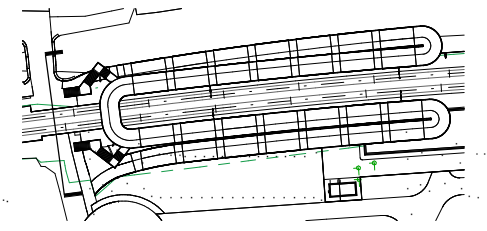
Drawing Title

### STATION DESIGN ASHTOWN STATION FOOTBRIDGE PLANS

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

Drawing Number: MAY MDC ARC RS07 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: 4.70 m.

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**Client**

Tionscatal Éireann  
 Project Ireland 2040

NTA  
 Náisiúnta Aonúis Iompartha  
 National Transport Authority

Iarnród Éireann  
 Irish Rail

**Consultant**

IDOM

C3

PROJ ROD  
 EOLUHAN & D'ONOCHAN

**Project**

DART+  
 West

**Drawing Title**

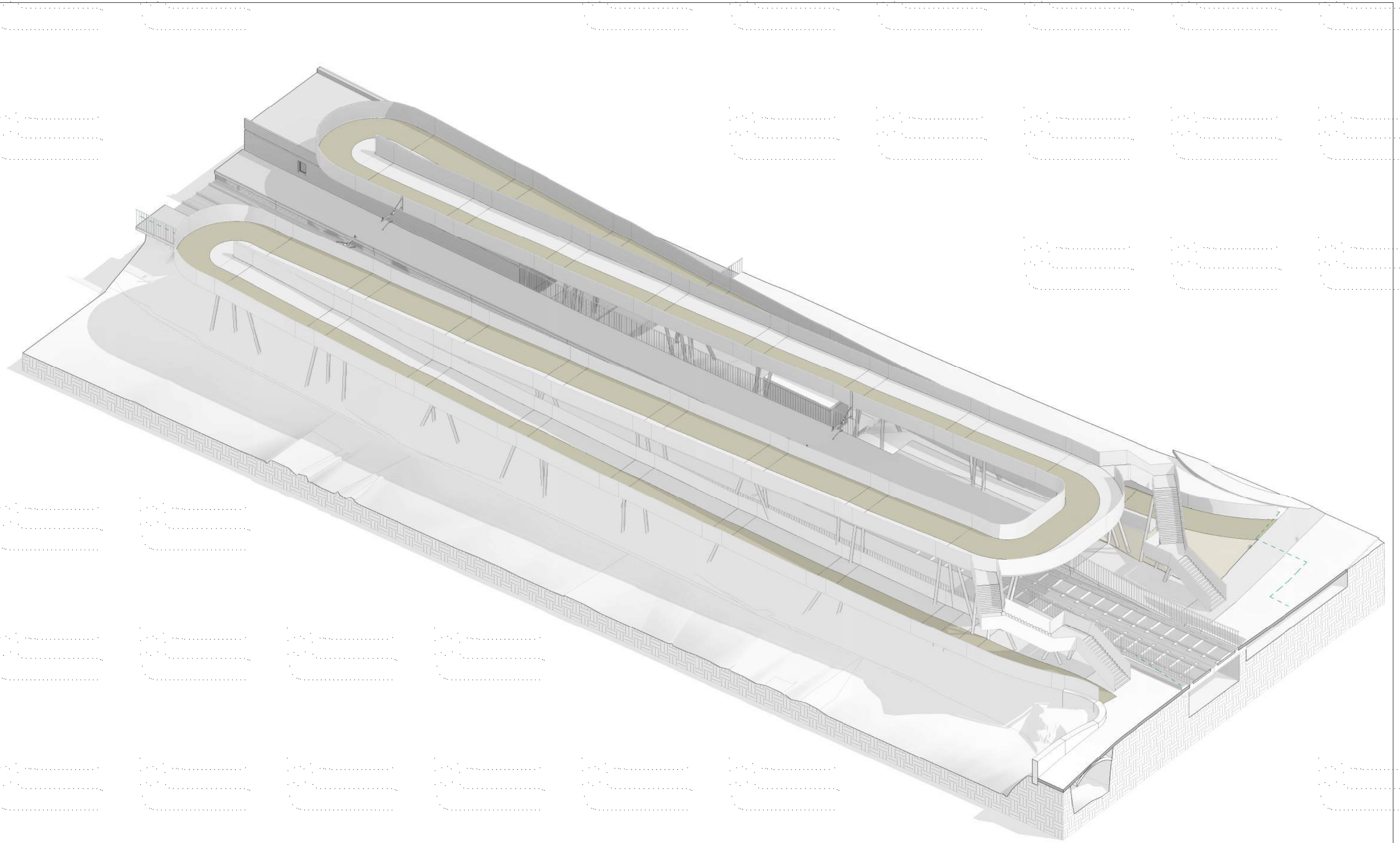
STATION DESIGN  
 ASHTOWN STATION  
 FOOTBRIDGE: ELEVATION

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

**Drawing Number** | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY | MDC | ARC | RS07 | 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**

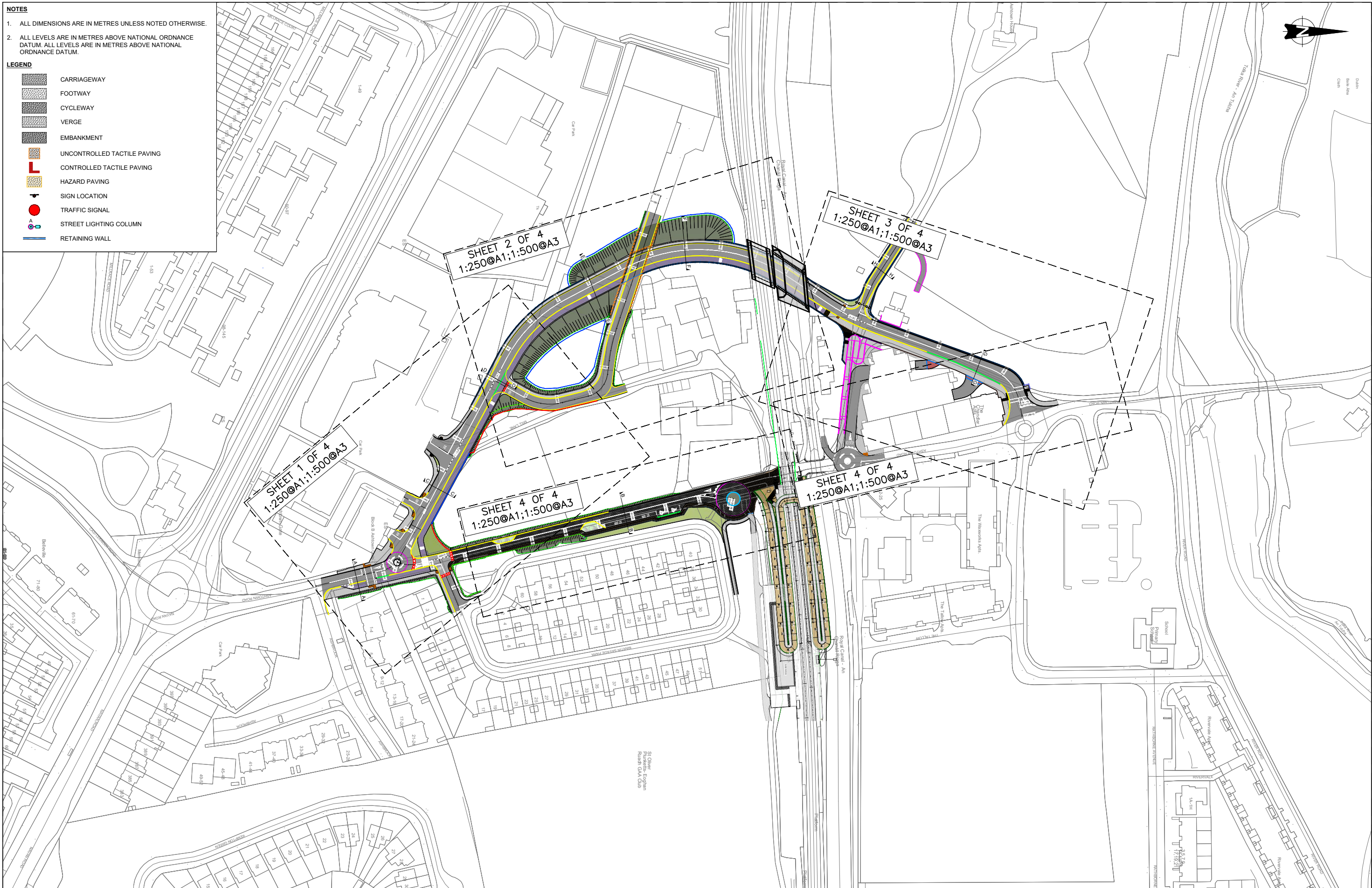
STATION DESIGN  
ASHTOWN STATION  
FOOTBRIDGE. AXONOMETRIC VIEWS

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

<b>Drawing Number</b>	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	ARC	RS07	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
  - FOOTWAY
  - CYCLEWAY
  - VERGE
  - EMBANKMENT
  - UNCONTROLLED TACTILE PAVING
  - CONTROLLED TACTILE PAVING
  - HAZARD PAVING
  - SIGN LOCATION
  - TRAFFIC SIGNAL
  - STREET LIGHTING COLUMN
  - RETAINING WALL



V 01	April 2022	PLANNING ISSUE	KH	TL	MK
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Client

Project

Consultant

Drawing Title

ROADWORKS DESIGN - LC01: ASHTOWN  
GENERAL ARRANGEMENT  
SHEET LAYOUT

Scale:

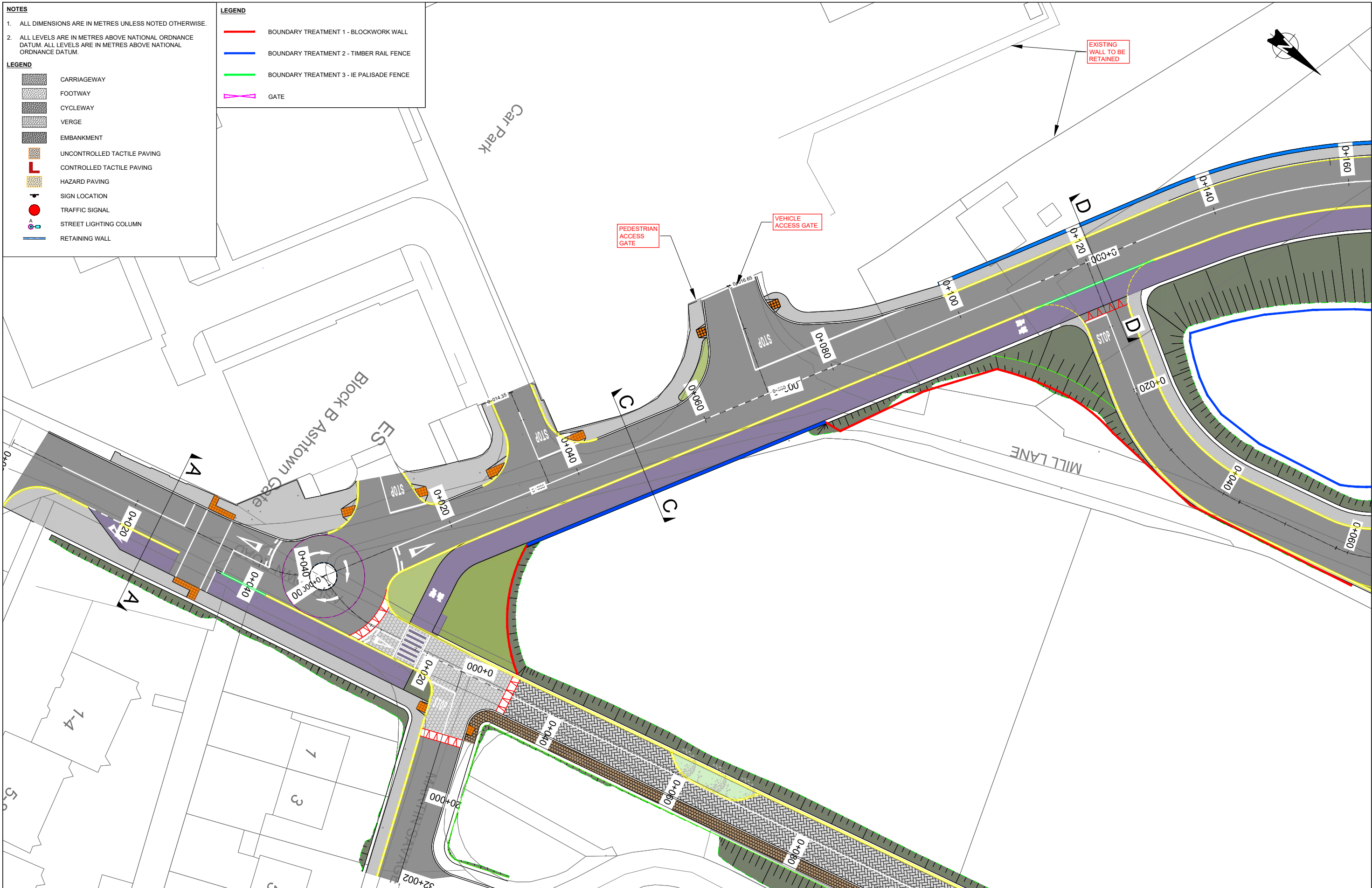
1:250 @ A1 1:500 @ A3

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
  - CYCLEWAY
  - VERGE
  - EMBANKMENT
  - UNCONTROLLED TACTILE PAVING
  - CONTROLLED TACTILE PAVING
  - HAZARD PAVING
  - SIGN LOCATION
  - TRAFFIC SIGNAL
  - STREET LIGHTING COLUMN
  - RETAINING WALL

- LEGEND**
- BOUNDARY TREATMENT 1 - BLOCKWORK WALL
  - BOUNDARY TREATMENT 2 - TIMBER RAIL FENCE
  - BOUNDARY TREATMENT 3 - IE PALISADE FENCE
  - GATE



Client	Tionscald Eireann Project Ireland 2040	NTA Oibríoch Náisiúnta Iompar National Transport Authority	Iarnród Éireann Irish Rail	Project	DART+ West	Drawing Title	ROADWORKS DESIGN - LC01: ASHTOWN GENERAL ARRANGEMENT SHEET 1 OF 4
Consultant	IDOM	G3	PROD			Scale:	Drawing Number   Project   Originator   Discipline   Location   Type   Role   Number   Phase
						1:250 @ A1 1:500 @ A3	MAY MDC HRW LC01 DR C 0101 D
						0 3.125 6.25 12.5	Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 01 of 04

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**NOTES**

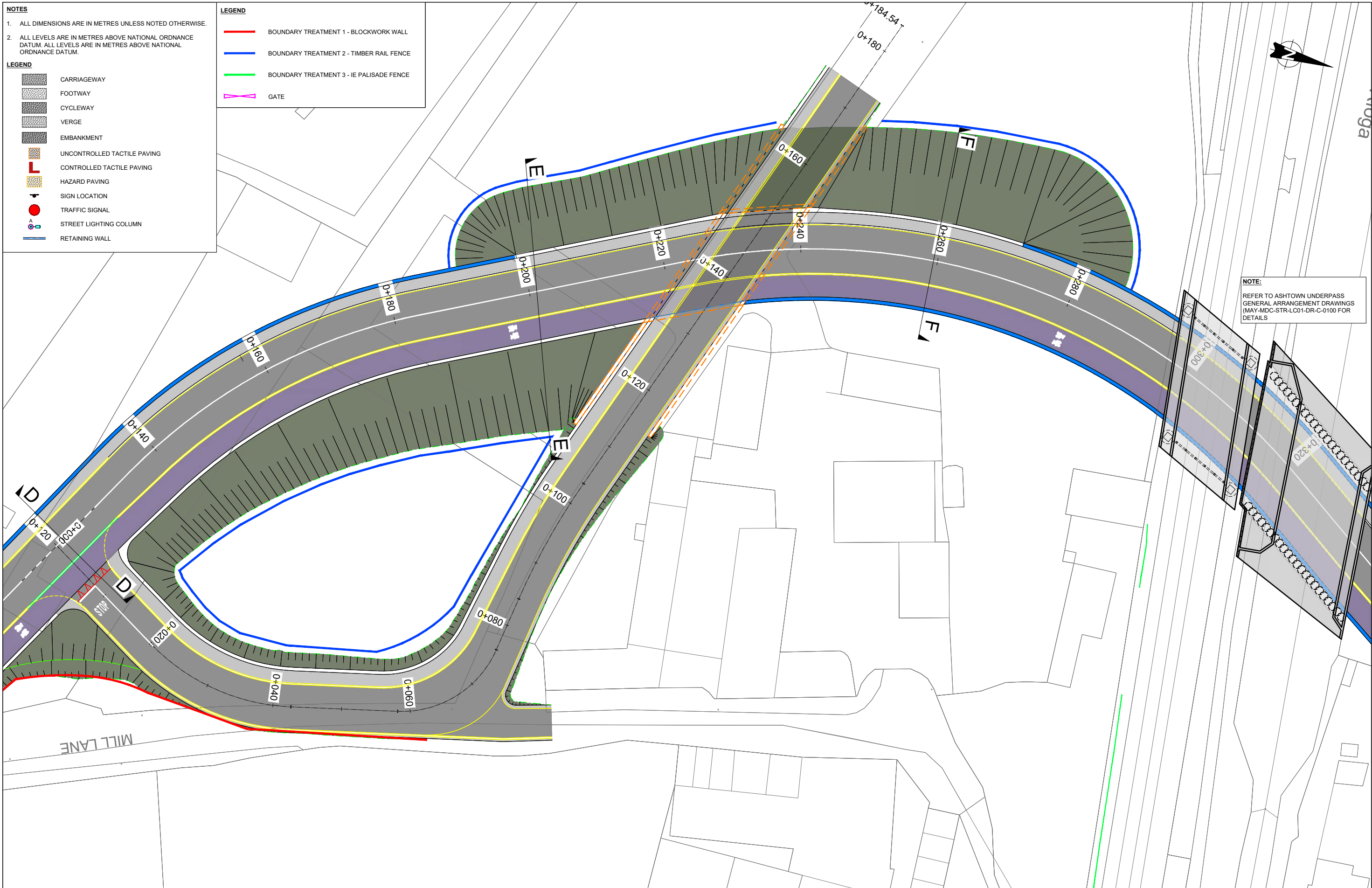
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**LEGEND**

- CARRIAGEWAY
- FOOTWAY
- CYCLEWAY
- VERGE
- EMBANKMENT
- UNCONTROLLED TACTILE PAVING
- CONTROLLED TACTILE PAVING
- HAZARD PAVING
- SIGN LOCATION
- TRAFFIC SIGNAL
- STREET LIGHTING COLUMN
- RETAINING WALL

**LEGEND**

- BOUNDARY TREATMENT 1 - BLOCKWORK WALL
- BOUNDARY TREATMENT 2 - TIMBER RAIL FENCE
- BOUNDARY TREATMENT 3 - IE PALISADE FENCE
- GATE

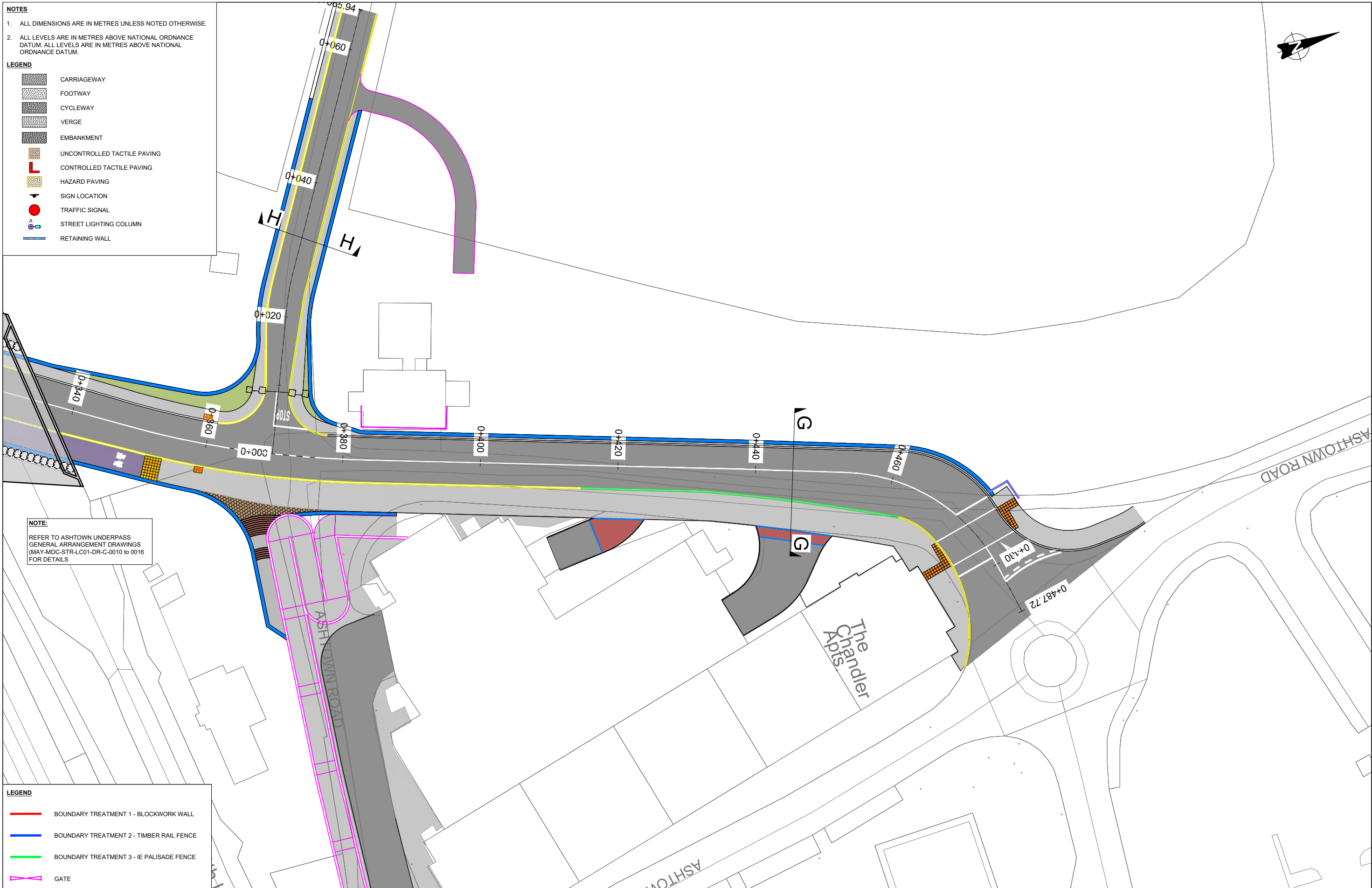


**NOTE:**  
REFER TO ASHTOWN UNDERPASS  
GENERAL ARRANGEMENT DRAWINGS  
(MAY-MDC-STR-LC01-DR-C-0100 FOR  
DETAILS)

Client								
Consultant								
Project								
Drawing Title	ROADWORKS DESIGN - LC01: ASHTOWN GENERAL ARRANGEMENT SHEET 2 OF 4							
Scale:	1:250 @ A1 1:500 @ A3							
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	HRW	LC01	DR	C	0102	D
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- LEGEND**
- CARRIAGEWAY
  - FOOTWAY
  - CYCLEWAY
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  - EMBANKMENT
  - UNCONTROLLED TACTILE PAVING
  - CONTROLLED TACTILE PAVING
  - HAZARD PAVING
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  - TRAFFIC SIGNAL
  - STREET LIGHTING COLUMN
  - RETAINING WALL

**NOTE:**  
REFER TO ASHTOWN UNDERPASS  
GENERAL ARRANGEMENT DRAWINGS  
(MAY-MDC-STR-LC01-DR-C-0010 to 0016  
FOR DETAILS

- LEGEND**
- BOUNDARY TREATMENT 1 - BLOCKWORK WALL
  - BOUNDARY TREATMENT 2 - TIMBER RAIL FENCE
  - BOUNDARY TREATMENT 3 - IE PALISADE FENCE
  - GATE

Client								
Project								
Drawing Title	ROADWORKS DESIGN - LC01: ASHTOWN GENERAL ARRANGEMENT SHEET 3 OF 4							
Scale:	1:250 @ A1 1:500 @ A3							
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	HRW	LC01	DR	C		0103	D
Date:	April 2022	Job No:	P/101086	Status:	F1 - Approved & Accepted		Rev:	V 01
							Sheet:	03 of 04

Consultant

Project

Drawing Title

ROADWORKS DESIGN - LC01: ASHTOWN  
GENERAL ARRANGEMENT  
SHEET 3 OF 4

Scale:

1:250 @ A1 1:500 @ A3

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

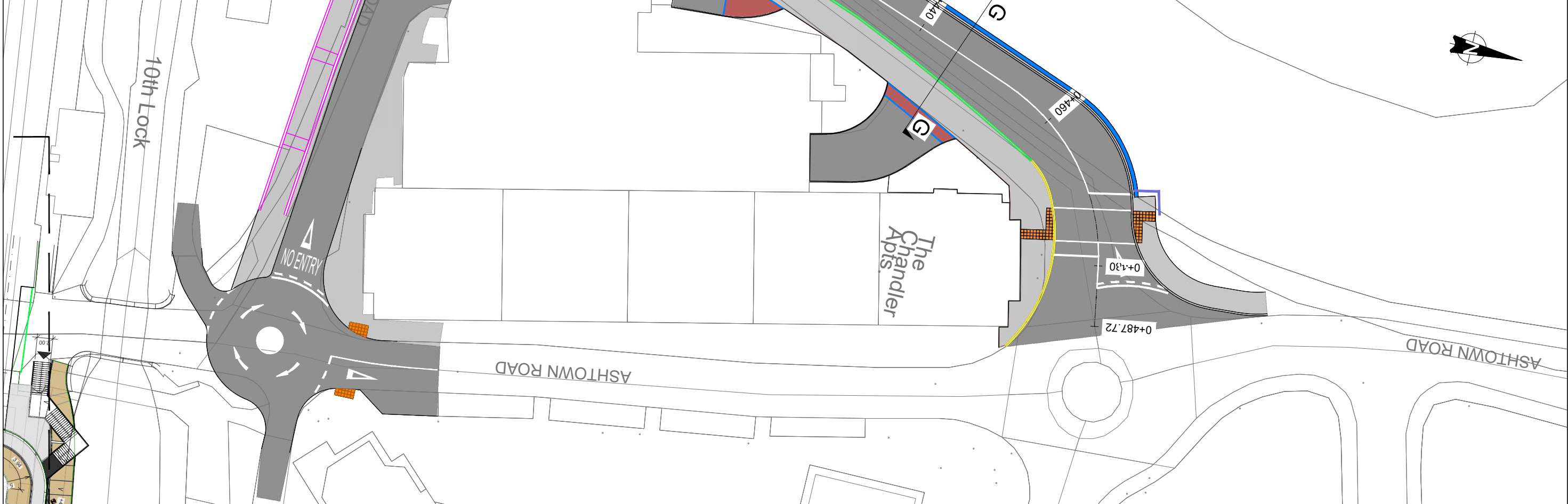
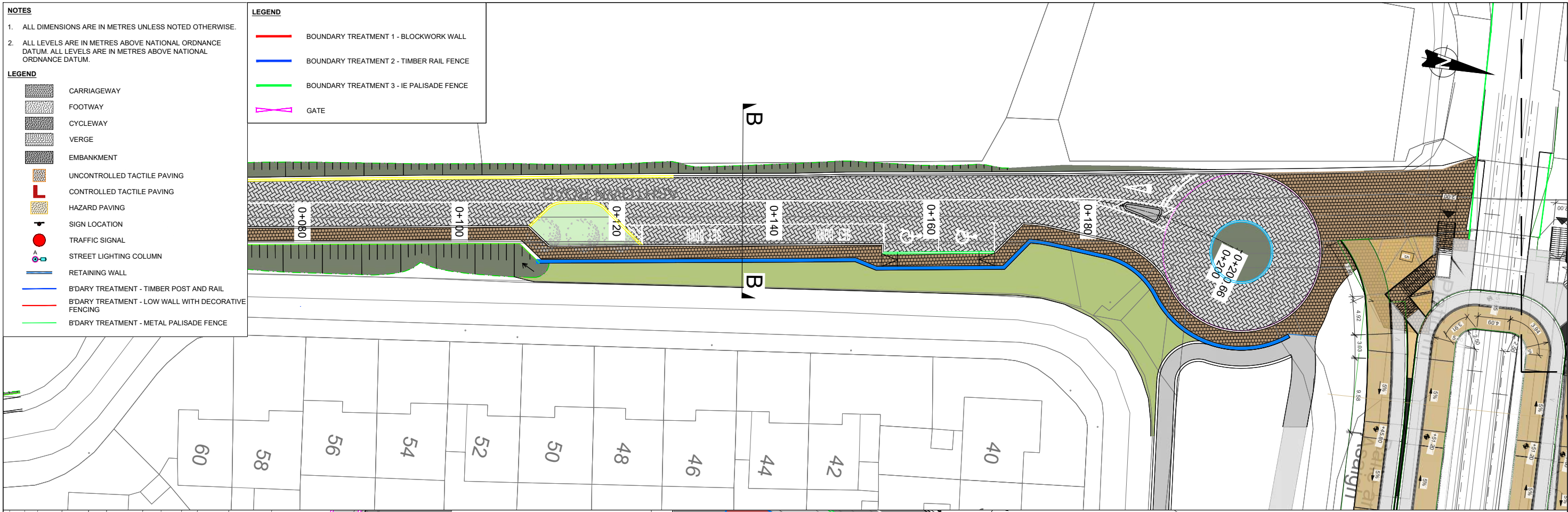
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  - FOOTWAY
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  - EMBANKMENT
  - UNCONTROLLED TACTILE PAVING
  - CONTROLLED TACTILE PAVING
  - HAZARD PAVING
  - SIGN LOCATION
  - TRAFFIC SIGNAL
  - STREET LIGHTING COLUMN
  - RETAINING WALL
  - B'DARY TREATMENT - TIMBER POST AND RAIL
  - B'DARY TREATMENT - LOW WALL WITH DECORATIVE FENCING
  - B'DARY TREATMENT - METAL PALISADE FENCE

- LEGEND**
- BOUNDARY TREATMENT 1 - BLOCKWORK WALL
  - BOUNDARY TREATMENT 2 - TIMBER RAIL FENCE
  - BOUNDARY TREATMENT 3 - IE PALISADE FENCE
  - GATE



Client	Tionscatal Éireann Project Ireland 2040		
Consultant	IDOM	G3	IRÓD
Project	DART+ West		
Drawing Title	ROADWORKS DESIGN - LC01: ASHTOWN GENERAL ARRANGEMENT SHEET 4 OF 4		
Scale:	1:250 @ A1 1:500 @ A3		
Drawing Number	Project	Originator	Discipline
MAY	MDC	HRW	LC01
DR	C	0104	D
Date:	Job No:	Status:	Rev:
April 2022	P/101086	F1 - Approved & Accepted	V 01
Sheet: 04 of 04			

Client: Tionscatal Éireann Project Ireland 2040

Consultant: IDOM, G3, IRÓD

Project: DART+ West

Drawing Title: ROADWORKS DESIGN - LC01: ASHTOWN GENERAL ARRANGEMENT SHEET 4 OF 4

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

Drawing Number: MAY MDC HRW LC01 DR C 0104 D

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

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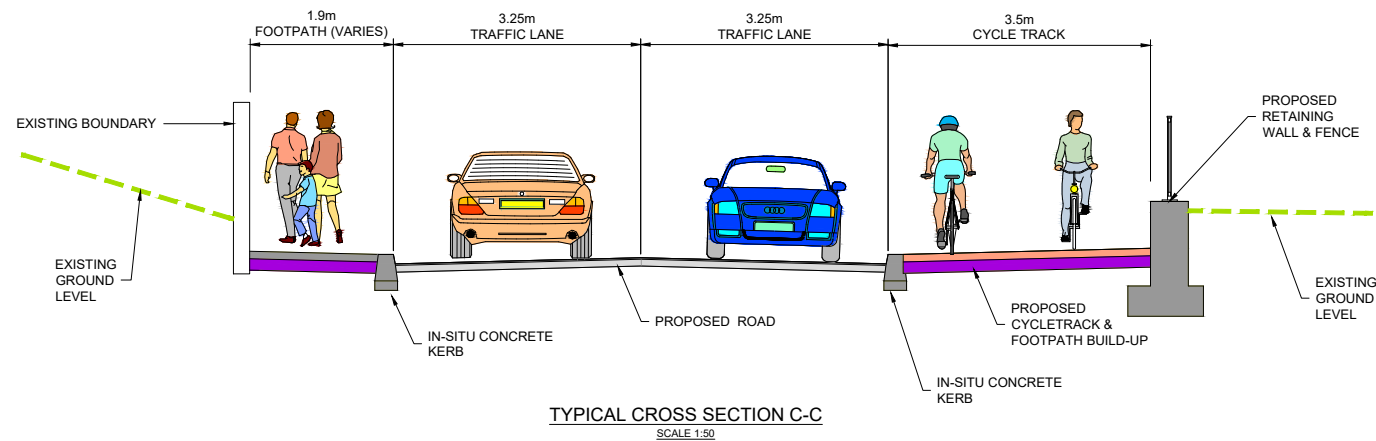
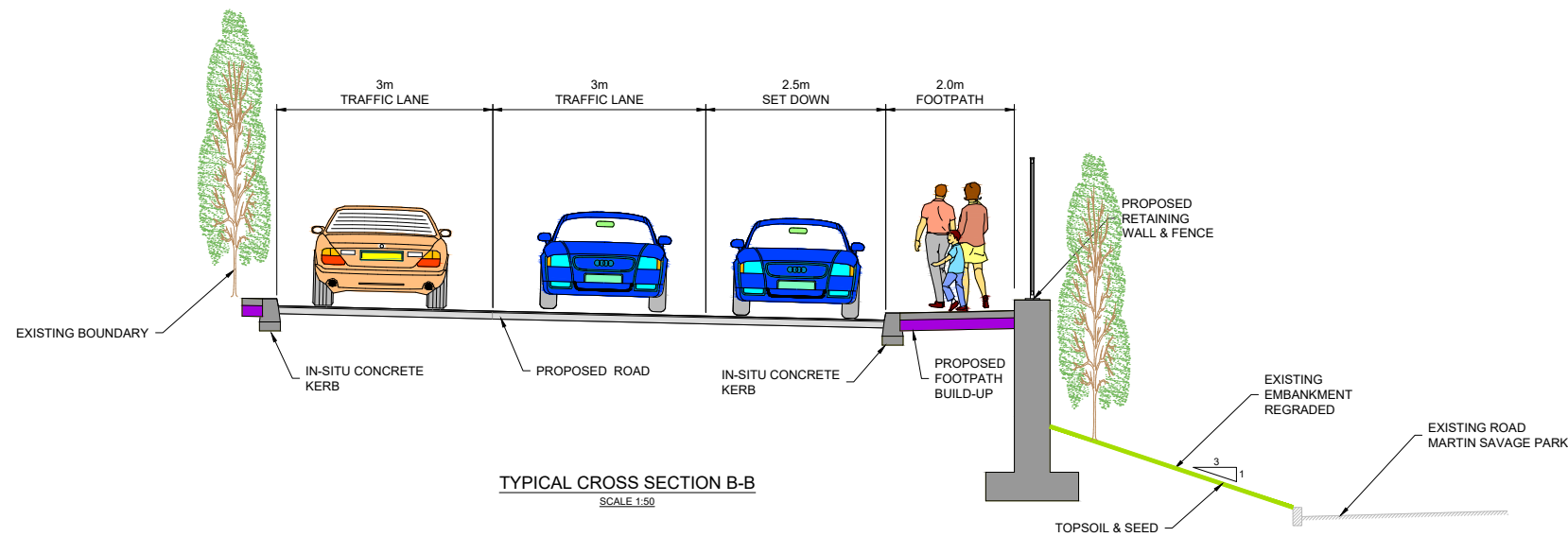
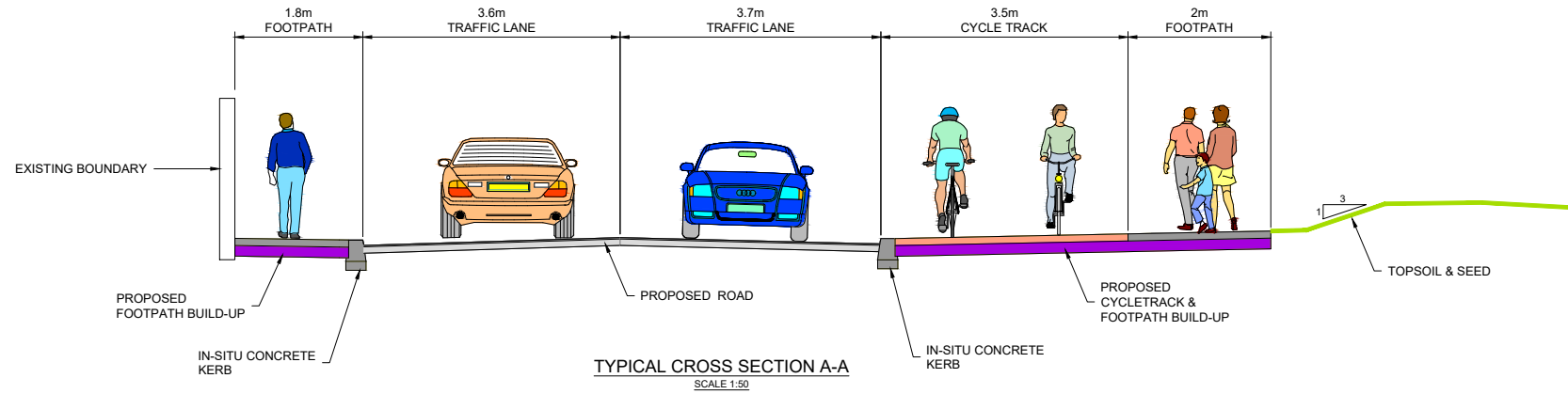
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLTG).



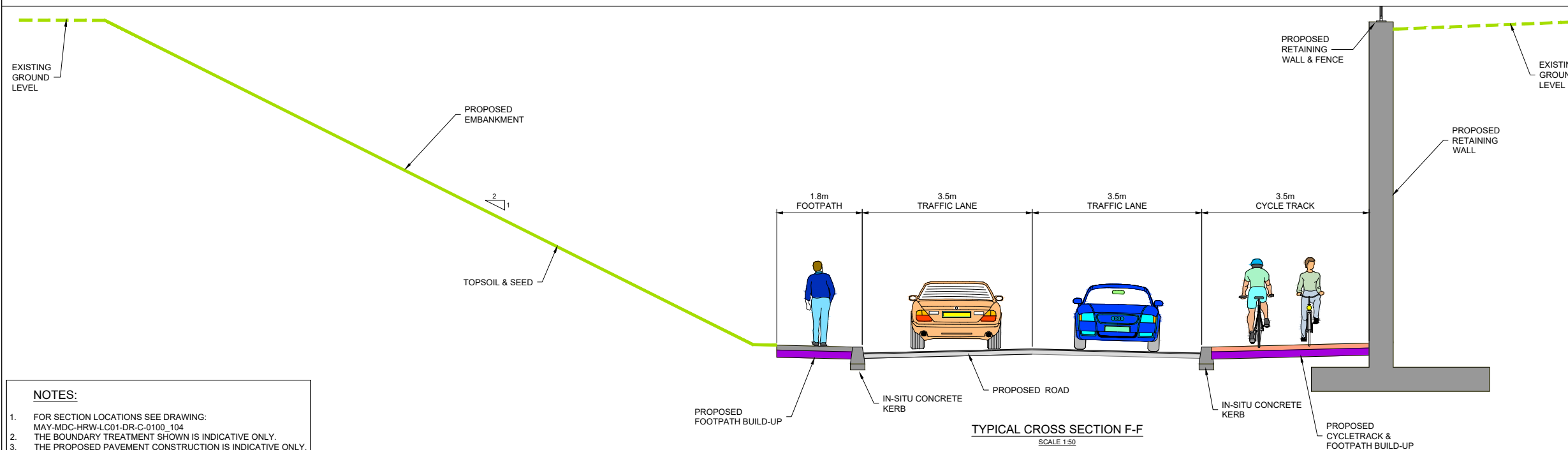
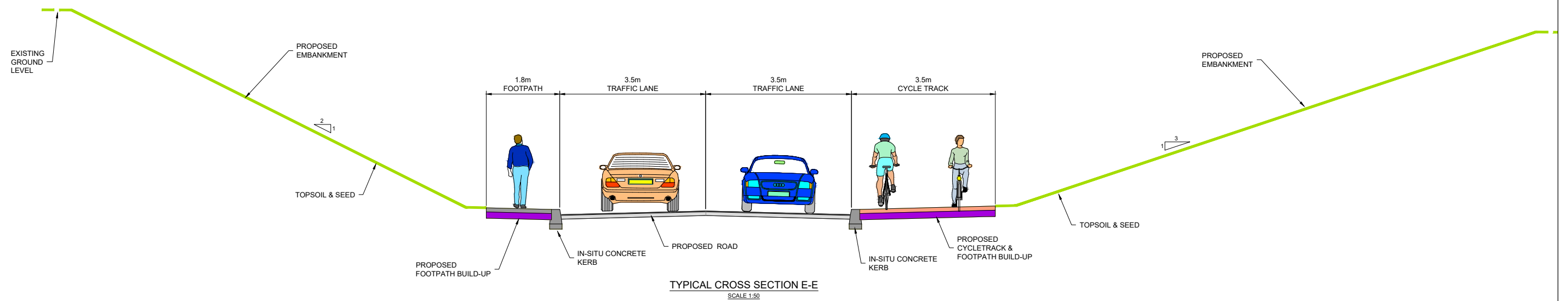
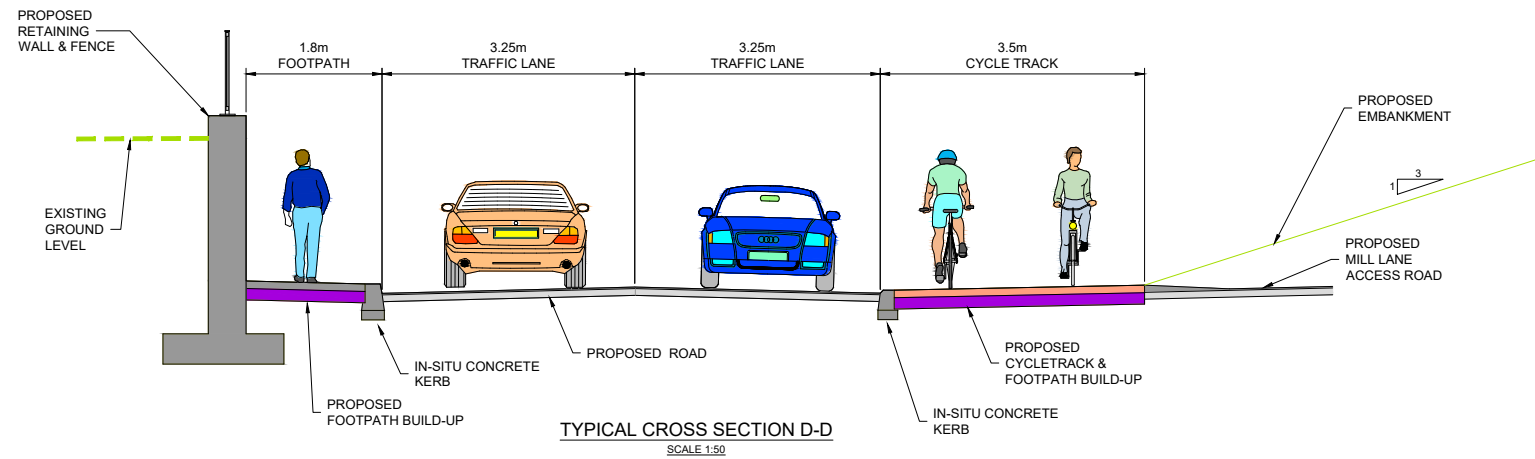


**NOTES:**

- FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC01-DR-C-0100\_104
- THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
- THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

Client	Tionscaldal Éireann Project Ireland 2040			NTA Oidreás Náisiúnta Iompar National Transport Authority			Iarnród Éireann Irish Rail		
Consultant	IDOM			G3			IROD RÓDRÁN & O'DRÓIBHÁIN		
Project	DART+			West			DART+		
Drawing Title	ROADWORKS DESIGN - LC01: ASHTOWN ASHTOWN ROAD ALIGNMENT - TYPICAL CROSS SECTIONS SHEET 01 of 03								
Scale:	1:50 @ A1 1:100 @ A3			Drawing Number			MAY MDC HRW LC01 DR C 0105 D		
Date:	April 2022			Job No:			P/101086		
				Status:			F1 - Approved & Accepted		
				Rev:			V 01		
				Sheet:			01 of 03		

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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 (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 (TLTG).

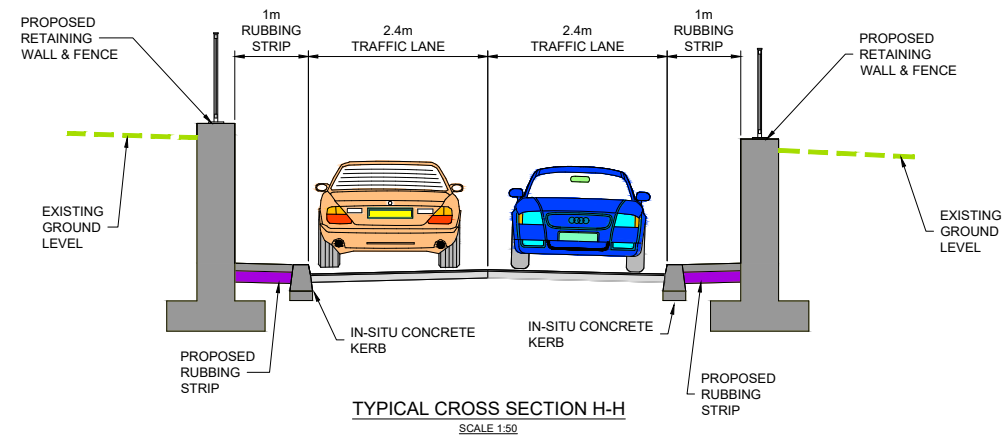
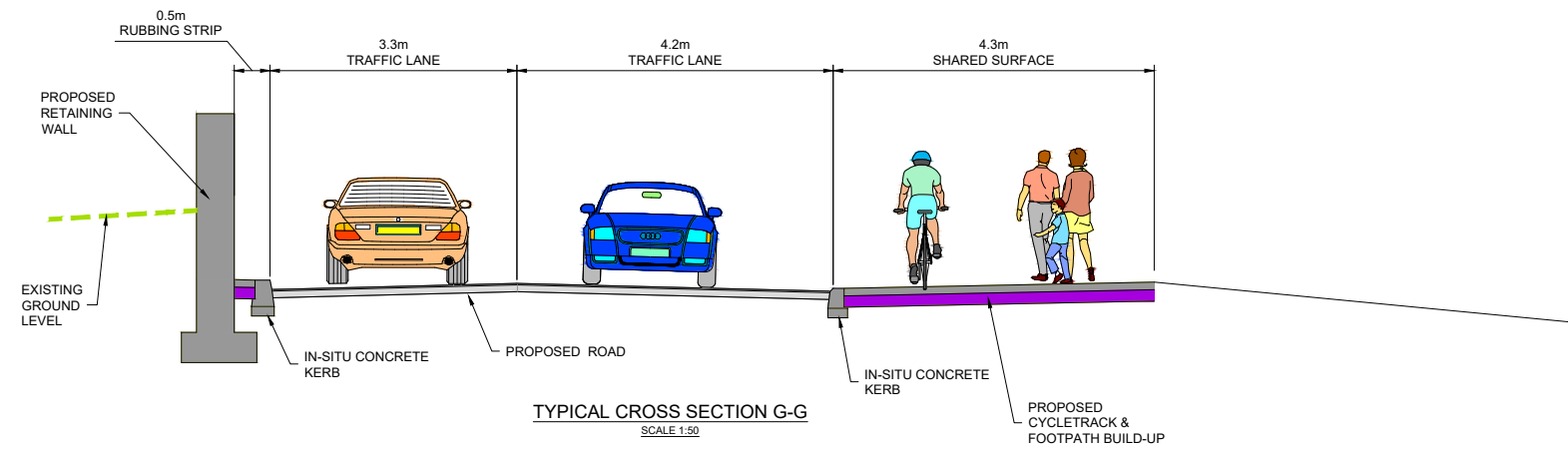


- NOTES:**
- FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC01-DR-C-0100\_104
  - THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
  - THE PROPOSED PAVEMENT CONSTRUCTION IS INDICATIVE ONLY.

Client	Tionscald Eireann Project Ireland 2040			NTA Udaras Náisiúnta Iompar National Transport Authority			Iarnród Eireann Irish Rail		
Consultant	IDOM			G3			IROD		
Project	DART+ West			Drawing Title			ROADWORKS DESIGN - LC01: ASHTOWN ASHTOWN ROAD ALIGNMENT - TYPICAL CROSS SECTIONS SHEET 02 of 03		
Scale:	1:50 @ A1 1:100 @ A3			Drawing Number			MAY MDC HRW LC01 DR C 0106 D		
Date:	April 2022			Job No:			P/101086		
Rev:	V 01			Status:			F1 - Approved & Accepted		
Sheet:	02 of 03			Date:			April 2022		

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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG0).





**NOTES:**

- FOR SECTION LOCATIONS SEE DRAWING: MAY-MDC-HRW-LC01-DR-C-0100\_104
- THE BOUNDARY TREATMENT SHOWN IS INDICATIVE ONLY.
- 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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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLTG).

Client

Consultant

Project

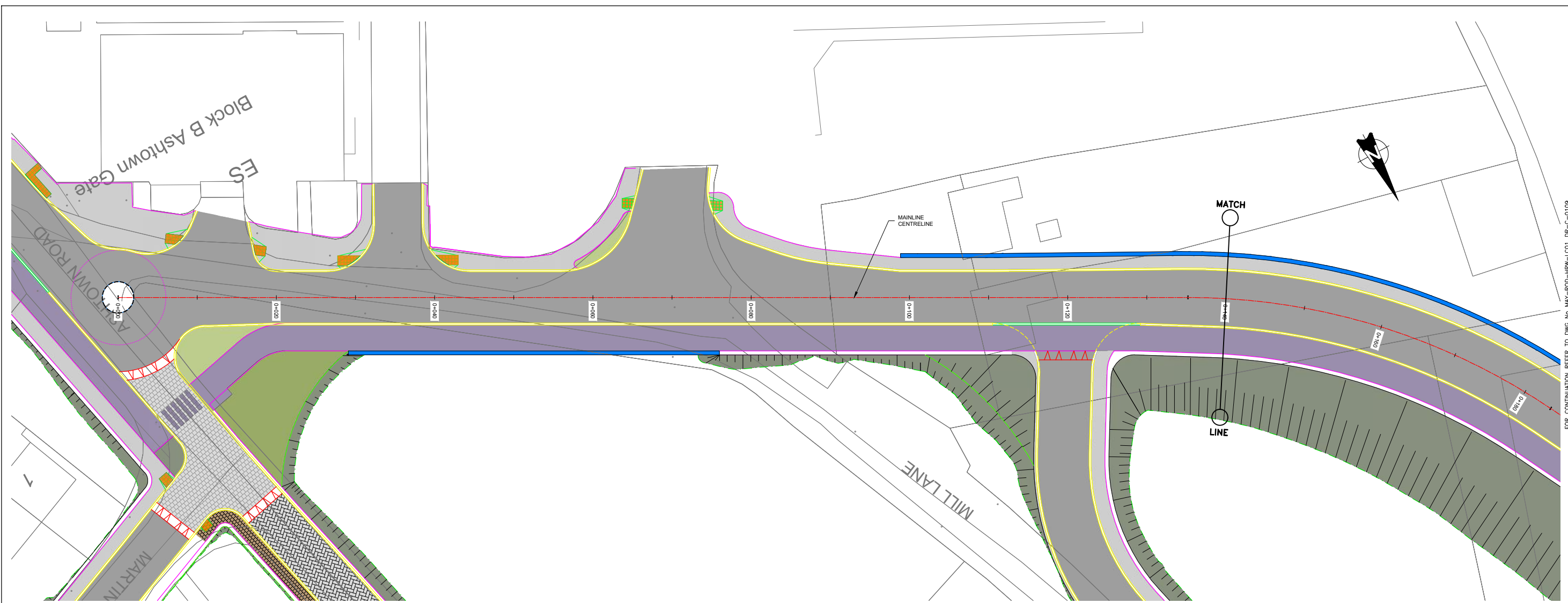
Drawing Title

ROADWORKS DESIGN - LC01: ASHTOWN  
ASHTOWN ROAD ALIGNMENT - TYPICAL CROSS SECTIONS  
SHEET 03 of 03

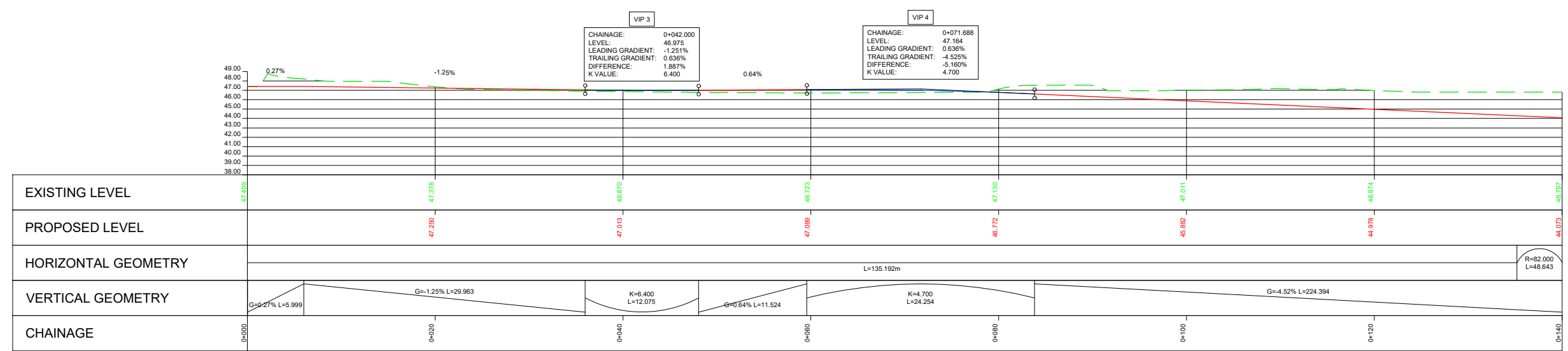
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC HRW LC01 DR C 0107 D

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



**PART PLAN MAINLINE LAYOUT**  
 A1 SCALE 1:250  
 A3 SCALE 1:500



**LEGEND:**  
 - - - PROPOSED ROAD CENTRELINE PROFILE  
 - - - EXISTING GROUND ALONG ROAD CENTRELINE

Client	Tionscald Eireann Project Ireland 2040		
Project	Iarnród Éireann Irish Rail		
Consultant	IDOM	G3	PROUD
Client	TK	TL	MK
REV.	DATE	DESCRIPTION	PRODUCED BY   REVIEWED BY   APPROVED BY
V01	April 2022	PLANNING ISSUE	

**Client**

**Project**

**Consultant**

**Project**

**DART+ West**

**Drawing Title**

ROADWORKS DESIGN - LC01: ASHTOWN  
 ROAD ALIGNMENT  
 PLAN AND PROFILE SHEET 1 OF 3

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

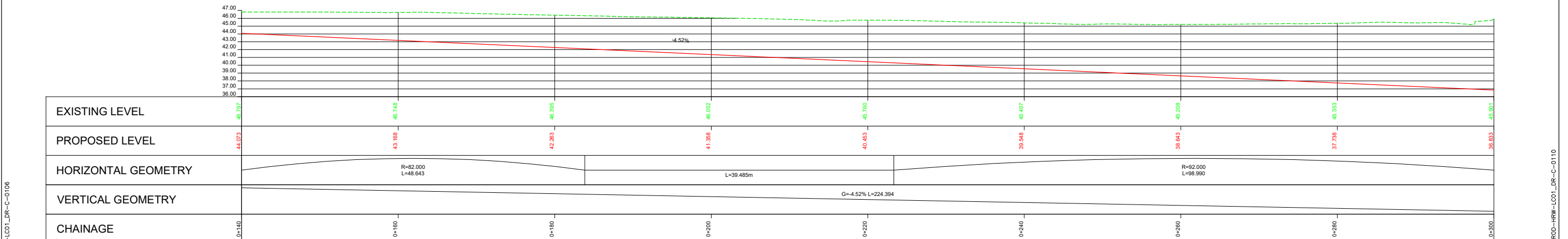
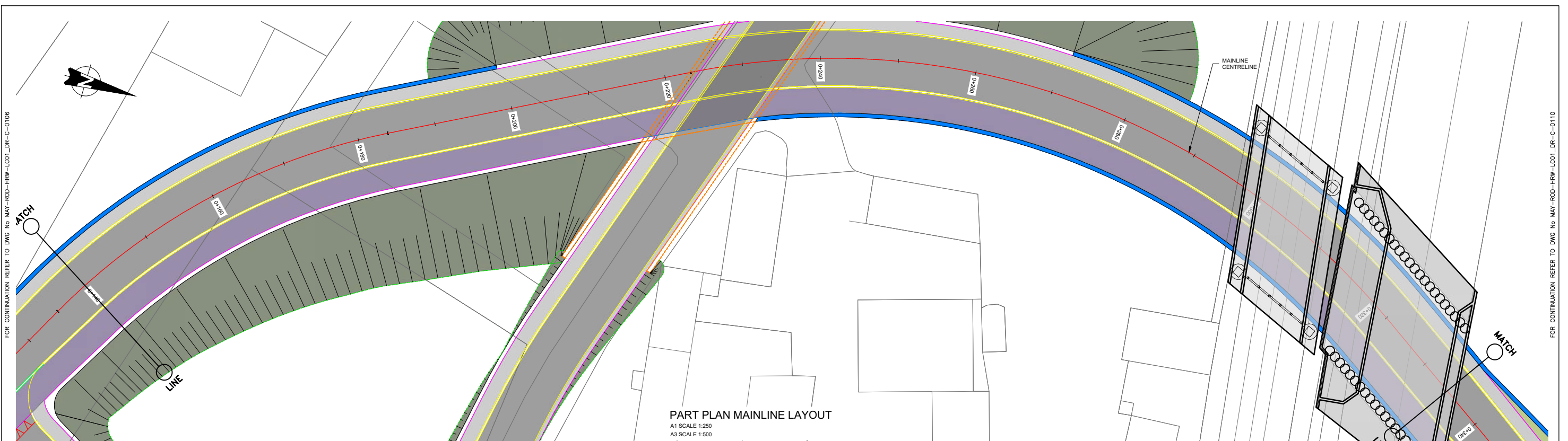
**Drawing Number** | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY ROD HRW LC01 DR C 0108 D

**Date:** April 2022 **Job No:** P/101086 **Status:** F1 - Approved & Accepted **Rev:** V 01 **Sheet:** 1 of 3

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FOR CONTINUATION REFER TO DWG No MAY-ROD-HRW-LC01-DR-C-0109





**LEGEND:**  
 - - - PROPOSED ROAD CENTRELINE PROFILE  
 - - - EXISTING GROUND ALONG ROAD CENTRELINE

**PART CL MAINLINE PROPOSED PROFILE**  
 A1 SCALE 1:250 HORIZONTAL  
 A1 SCALE 1:250 VERTICAL

Client		Project		Drawing Title	
				ROADWORKS DESIGN - LC01: ASHTOWN ROAD ALIGNMENT PLAN AND PROFILE SHEET 2 OF 3	
Consultant				Scale: 1:250 @ A1 1:500 @ A3	
				Drawing Number   Project   Originator   Discipline   Location   Type   Role   Number   Phase MAY ROD HRW LC01 DR C 0109 D	
PRODUCED BY REVIEWED BY APPROVED BY TK TL MK		Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 2 of 3		Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 2 of 3	

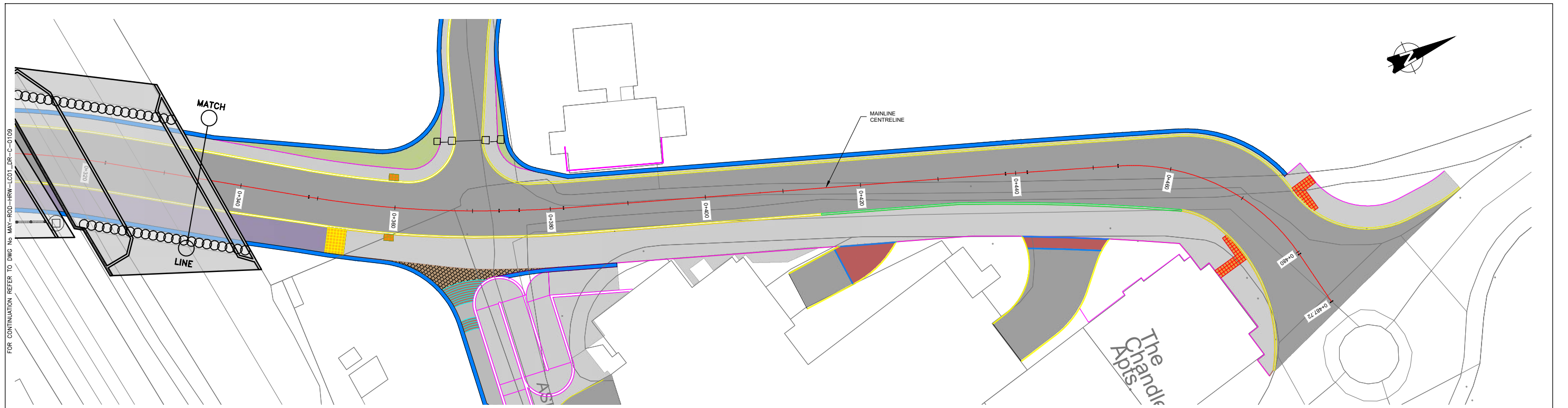
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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLTG).

FOR CONTINUATION REFER TO DWG No MAY-ROD-HRW-LC01\_DR-C-0106

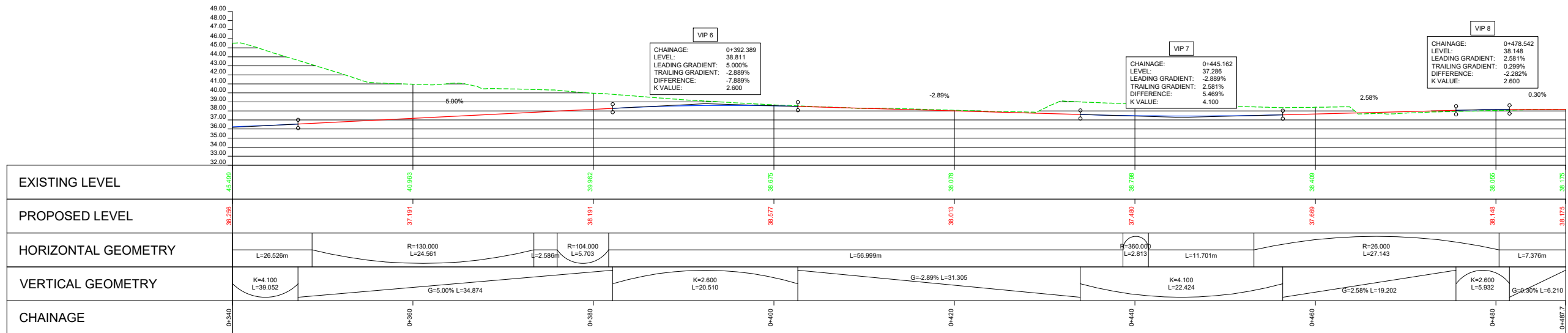
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FOR CONTINUATION REFER TO DWG No MAY-ROD-HRW-LC01\_DR-C-0110

FOR CONTINUATION REFER TO DWG No MAY-ROD-HRW-LC01\_DR-C-0110



**PART PLAN MAINLINE LAYOUT**  
 A1 SCALE 1:250  
 A3 SCALE 1:500



**PART CL MAINLINE PROPOSED PROFILE**  
 A1 SCALE 1:250 HORIZONTAL  
 A1 SCALE 1:250 VERTICAL

**LEGEND:**  
 - - - PROPOSED ROAD CENTRELINE PROFILE  
 - - - EXISTING GROUND ALONG ROAD CENTRELINE

REV	DATE	DESCRIPTION	TK	TL	MK
V01	April 2022	PLANNING ISSUE			

PRODUCED BY REVIEWED BY APPROVED BY

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

Consultant: IDOM, G3, IROD

Project: DART+ West

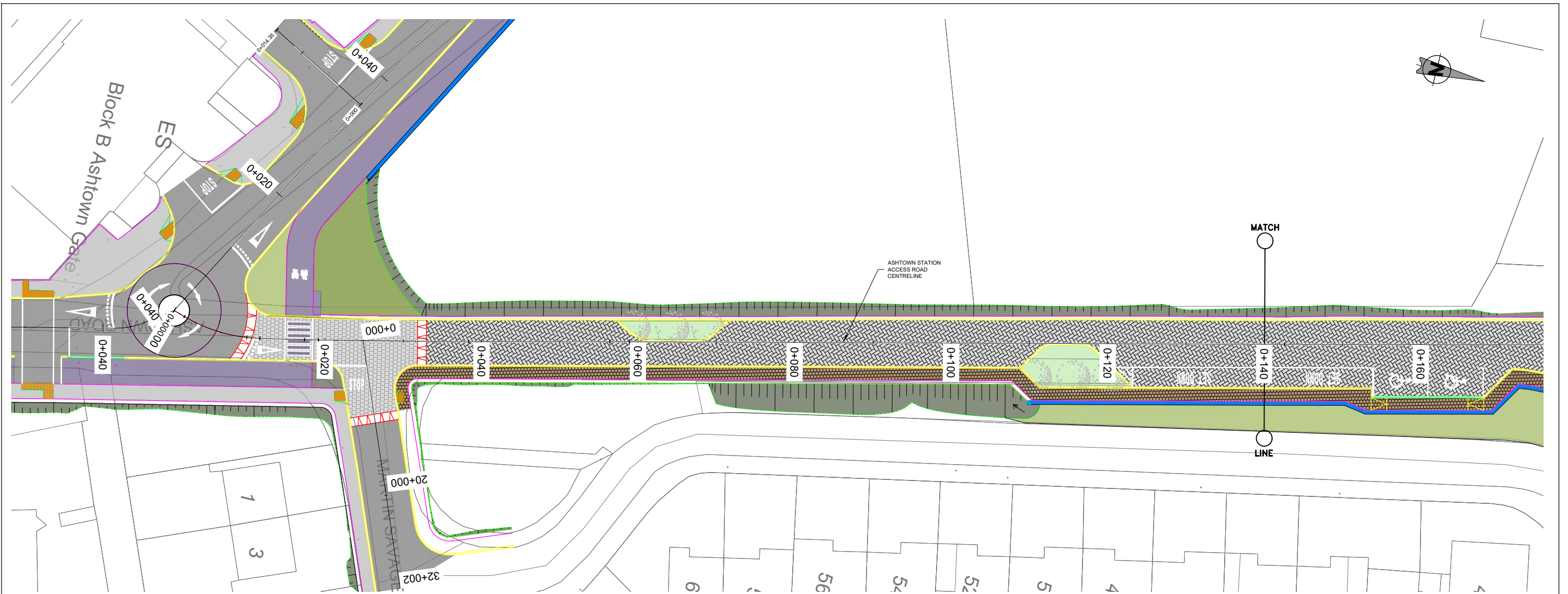
Drawing Title: ROADWORKS DESIGN - LC01: ASHTOWN ROAD ALIGNMENT PLAN AND PROFILE SHEET 3 OF 3

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

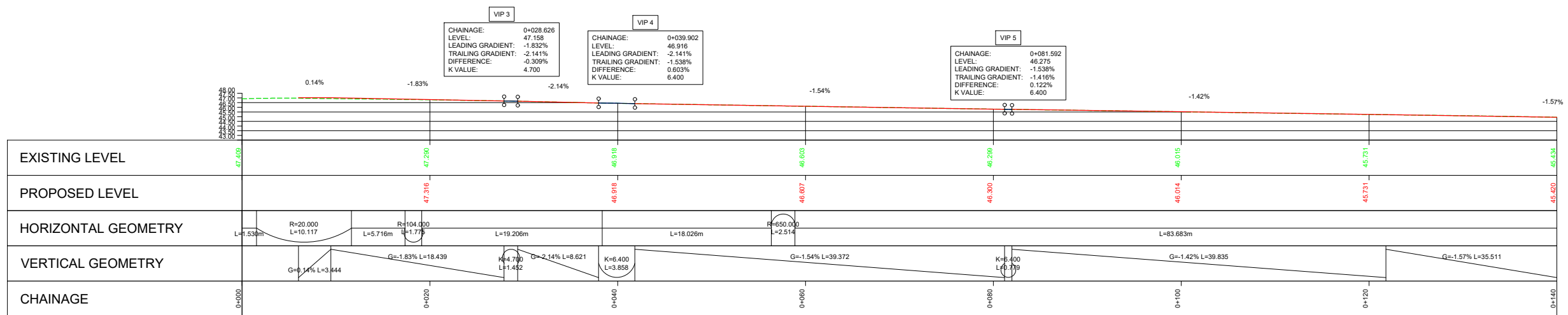
Drawing Number: MAY ROD HRW LC01 DR C 0110 D

Date: April 2022, Job No: P/101086, Status: F1 - Approved & Accepted, Rev: V01, Sheet: 3 of 3





ASHTOWN STATION ACCESS ROAD  
 A1 SCALE 1:250  
 A3 SCALE 1:500



LEGEND:

- PROPOSED ROAD CENTRELINE PROFILE
- EXISTING GROUND ALONG ROAD CENTRELINE

ASHTOWN STATION ACCESS ROAD  
 A1 SCALE 1:250 HORIZONTAL  
 A3 SCALE 1:250 VERTICAL

REV.	DATE	DESCRIPTION	TK	TL	MK
V 01	April 2022	ISSUED FOR PLANNING			

PRODUCED BY REVIEWED BY APPROVED BY

Client

Consultant

Project

Drawing Title

ROADWORKS DESIGN - LC01: ASHTOWN STATION ACCESS ROAD ALIGNMENT PLAN AND PROFILE SHEET 1 OF 2

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

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

MAY ROD HRW LC01 DR C 0131 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 1 of 2

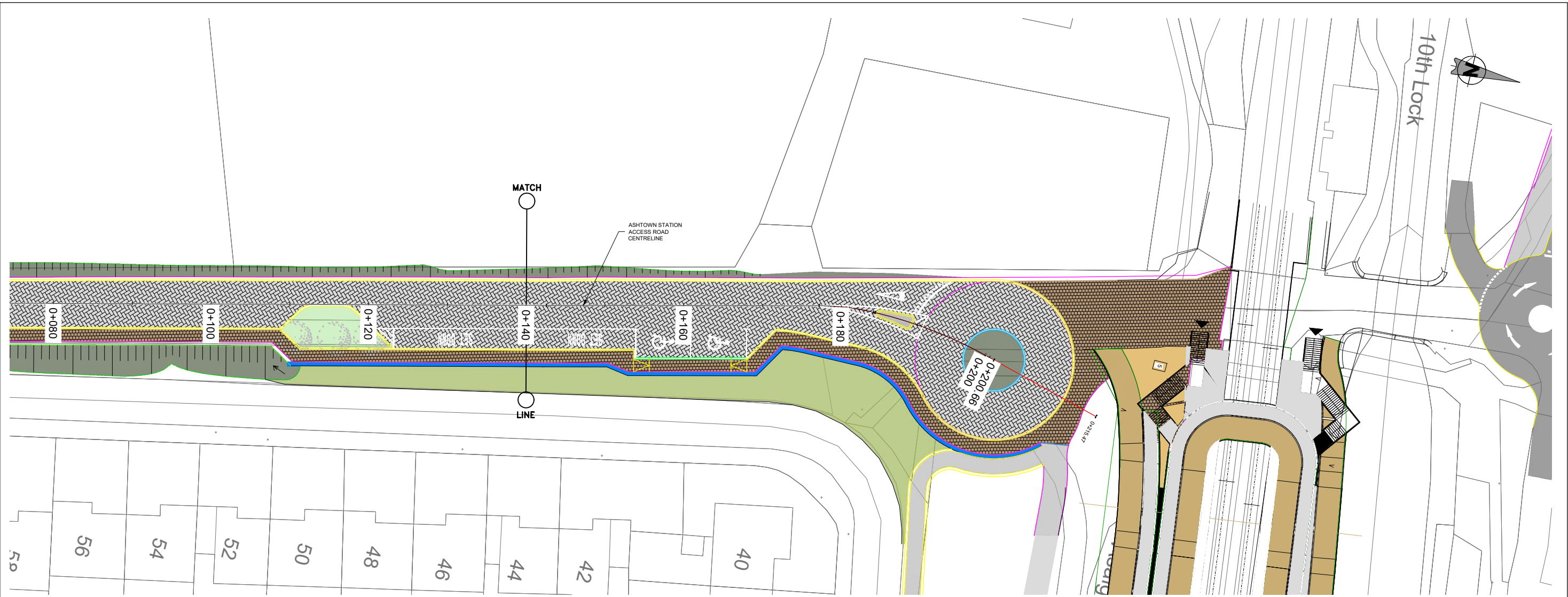
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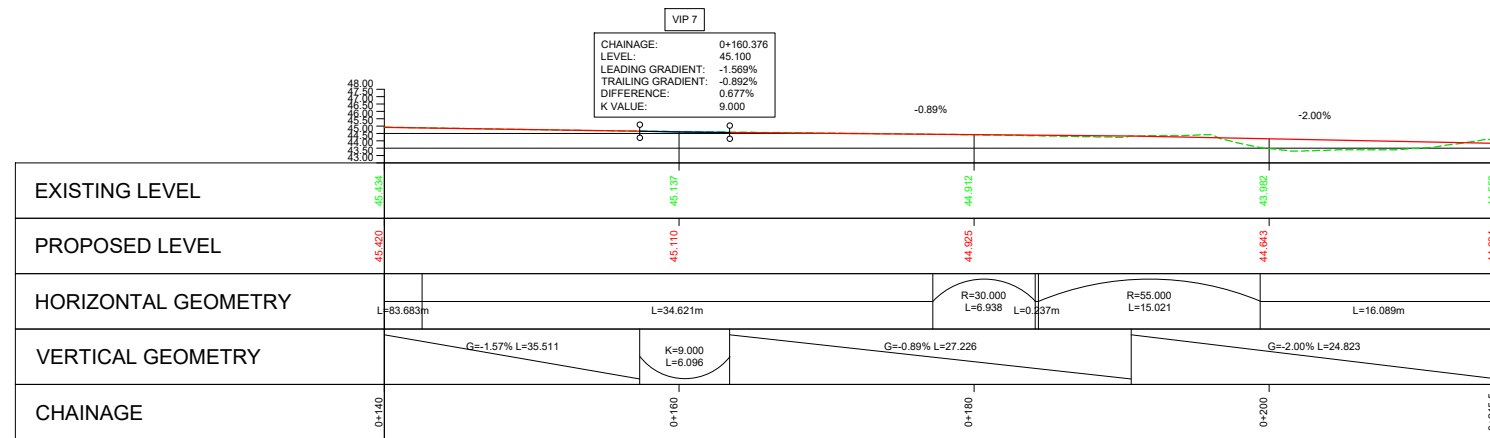
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLTG).



ASHTOWN STATION ACCESS ROAD  
 A1 SCALE 1:250  
 A3 SCALE 1:500



ASHTOWN STATION ACCESS ROAD  
 A1 SCALE 1:250 HORIZONTAL  
 A1 SCALE 1:250 VERTICAL

**LEGEND:**  
 - - - - - PROPOSED ROAD CENTRELINE PROFILE  
 - - - - - EXISTING GROUND ALONG ROAD CENTRELINE

Client	Tionscatal Eireann Project Ireland 2040		
Project	Iarnród Éireann Irish Rail		
Consultant	IDOM	G3	PROD
Rev	01	DATE	APRIL 2022
Issue	ISSUED FOR PLANNING	Produced by	TK
Reviewed by	TL	Reviewed by	MK
Approved by		Approved by	

Client: Tionscatal Eireann Project Ireland 2040, NTA (Oibríoch Náisiúnta Iomparáil National Transport Authority)

Project: Iarnród Éireann Irish Rail

Consultant: IDOM, G3, PROD

Project: DART+ West

Drawing Title: ROADWORKS DESIGN - LC01: ASHTOWN STATION ACCESS ROAD ALIGNMENT PLAN AND PROFILE SHEET 2 OF 2

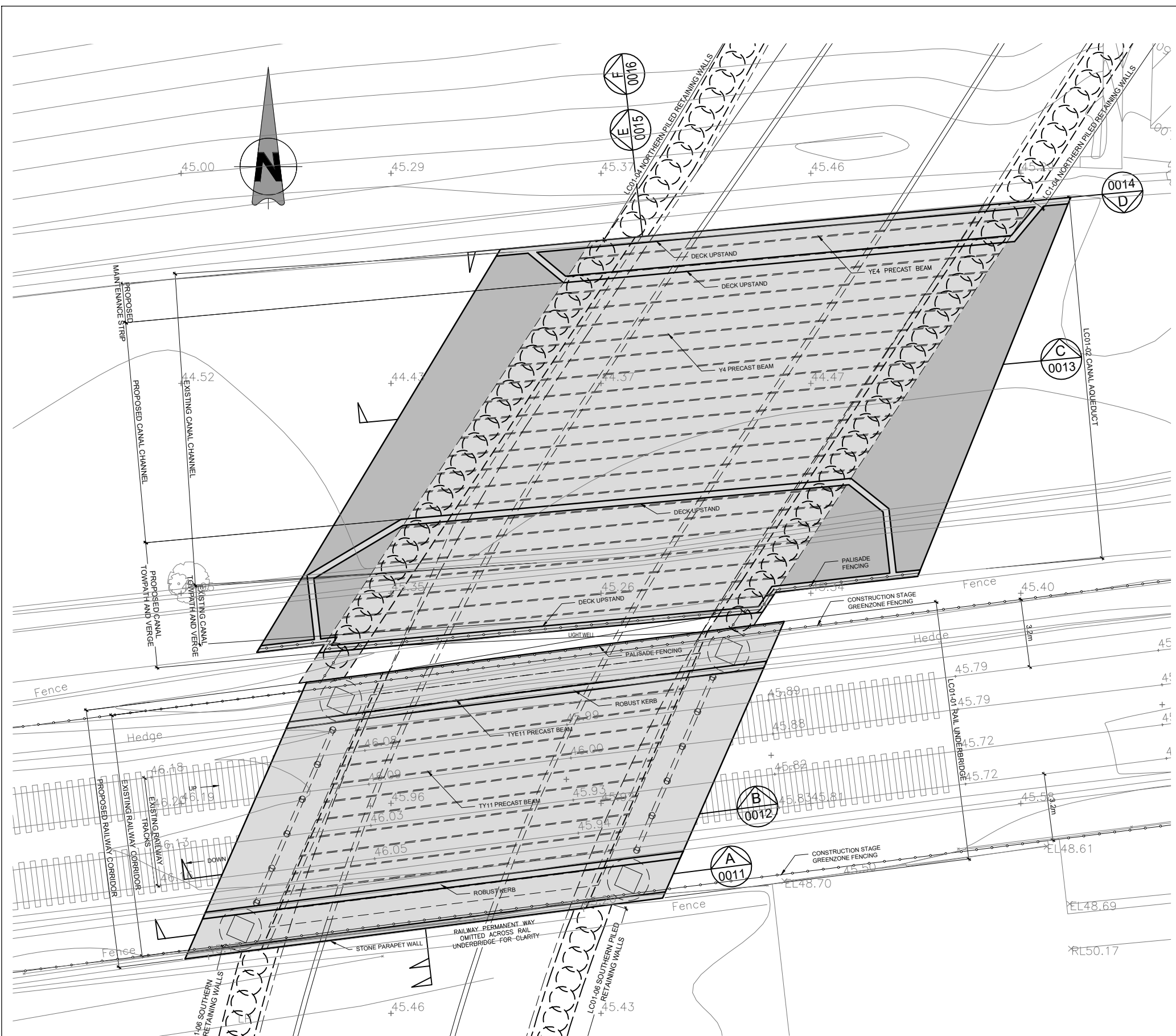
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Drawing Number: MAY ROD HRW LC01 DR C 0132 D

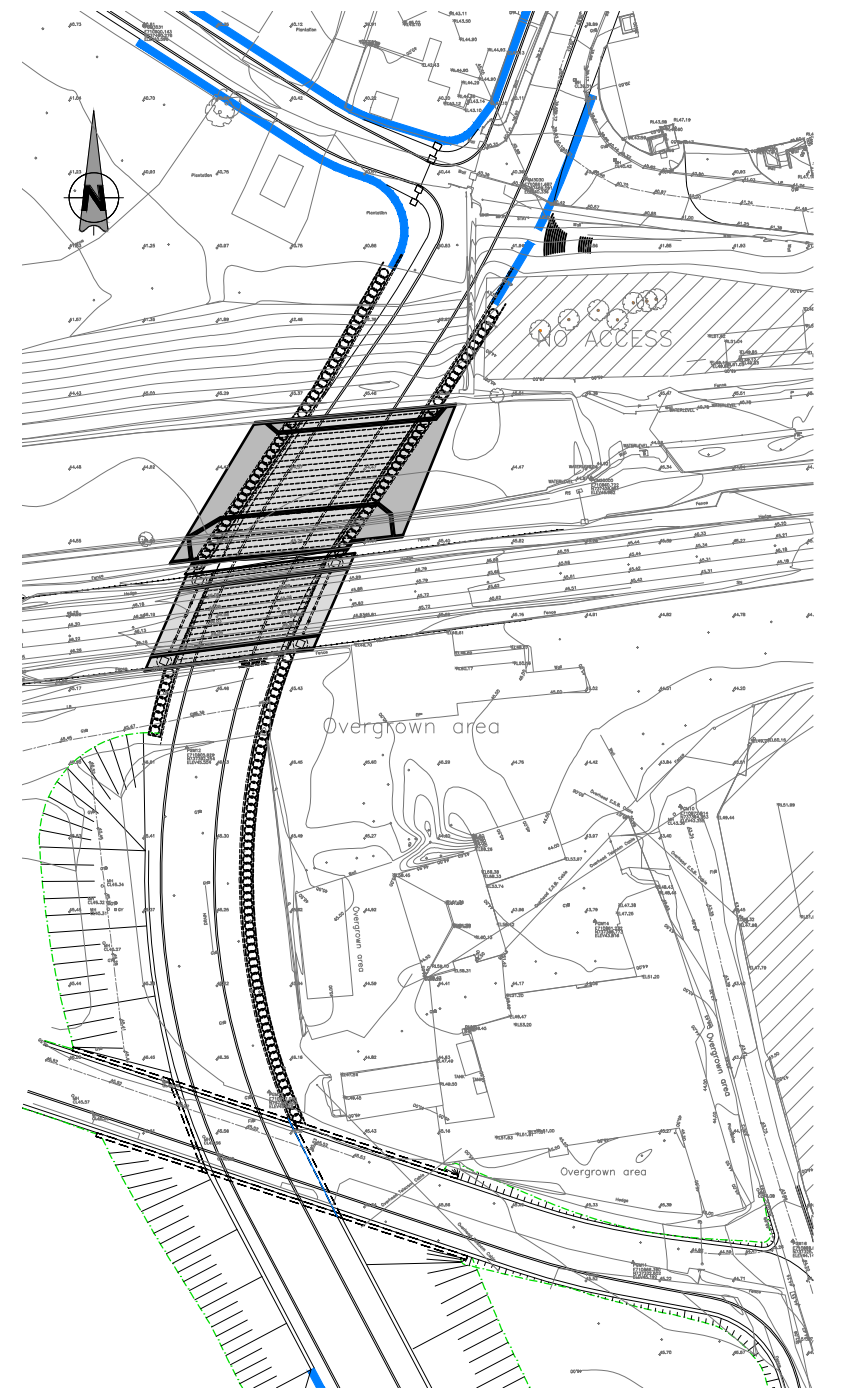
Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V01 | Sheet: 2 of 2

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PLAN  
SCALE 1:100 A1  
SCALE 1:200 A3



KEY PLAN  
SCALE 1:500 A1  
SCALE 1:1000 A3

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM UNLESS NOTED OTHERWISE.
  3. ALL GROUND STRATA INFORMATION AND GROUND WATER INFORMATION IS ASSUMED AND INDICATIVE. TO BE CONFIRMED FOLLOWING RECEIPT OF SITE SPECIFIC GROUND INVESTIGATION INFORMATION.
  4. BELOW GROUND UTILITIES AND DUCTING NOT SHOWN AT THIS STAGE, TO BE DEVELOPED AT DETAILED DESIGN.

- REFERENCE INFORMATION**
1. TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM DRAWING NUMBER MAY-PCA-VTO-SW\_AE-M2-VT-3002
  2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 TO 0025
  3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 TO 0025
  4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 TO 0005

Client	Tionscald Eireann Project Ireland 2040		
Consultant	IDOM	G3	PROUDMAN & O'CONNOR
Project	DART+ West		
Drawing Title	STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS GENERAL ARRANGEMENT - PLAN SHEET 1 OF 2		
Scale:	1:100 @ A1 1:200 @ A3		
Drawing Number	MAY	MDC	STR LC01 DR C 0010 D
Date:	April 2022	Job No:	P/101086
Status:	F1 - Approved & Accepted		Rev: V 01
Sheet:	01 of 02		

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

Project: DART+ West

Drawing Title: STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS GENERAL ARRANGEMENT - PLAN SHEET 1 OF 2

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

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC STR LC01 DR C 0010 D

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

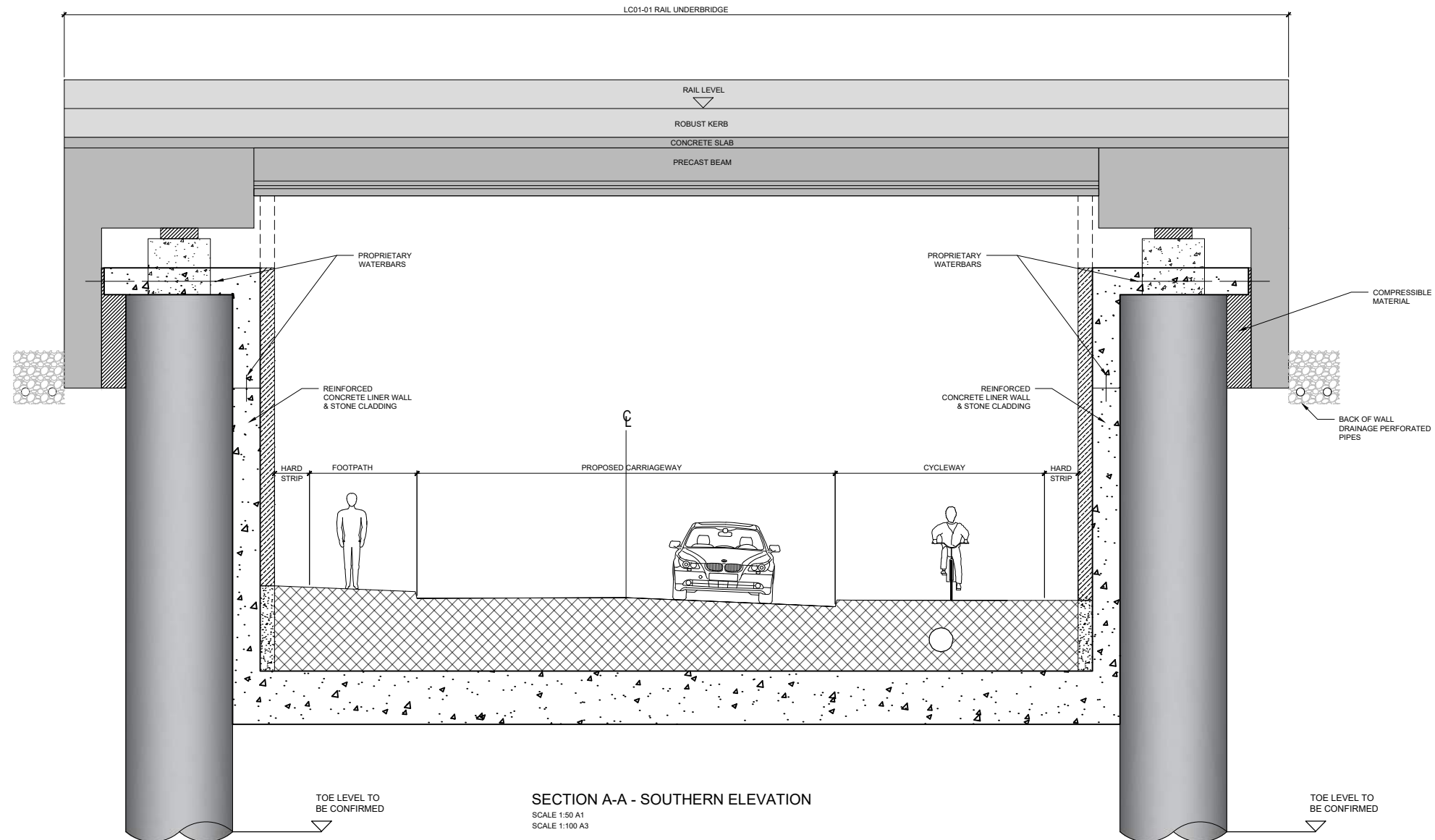
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLTG).

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM UNLESS NOTED OTHERWISE.
3. ALL GROUND STRATA INFORMATION AND GROUND WATER INFORMATION IS ASSUMED AND INDICATIVE. TO BE CONFIRMED FOLLOWING RECEIPT OF SITE SPECIFIC INVESTIGATION INFORMATION.
4. HEADROOM VARIES THROUGH UNDERPASS DUE TO VERTICAL ALIGNMENT. MINIMUM PROVISION IS 5.3m IN ACCORDANCE WITH TII DN-GEO-03036 MAY 2019, SECTION 6.
5. BELOW GROUND UTILITIES AND DUCTING NOT SHOWN AT THIS STAGE, TO BE DEVELOPED AT DETAILED DESIGN.

**REFERENCE INFORMATION**

1. TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM DRAWING NUMBER MAY-PCA-VTO-SW\_AE-M2-VT-3002
2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



REV	DATE	DESCRIPTION	OS	PC	TL
V01	April 2022	PLANNING ISSUE			

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

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Client

Project

Consultant

Drawing Title

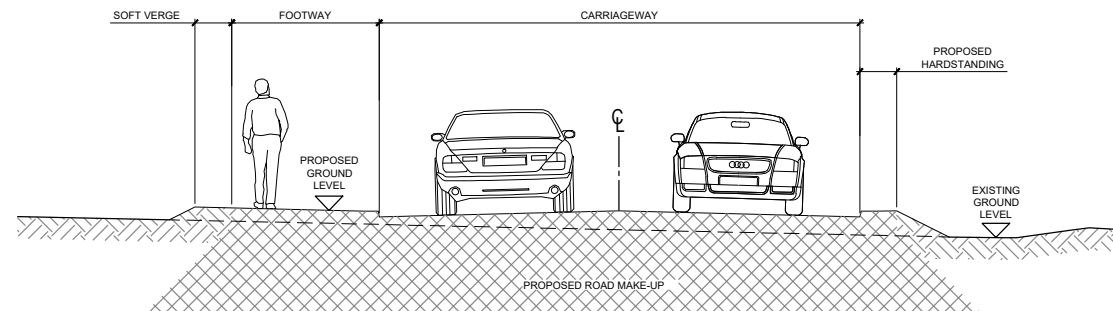
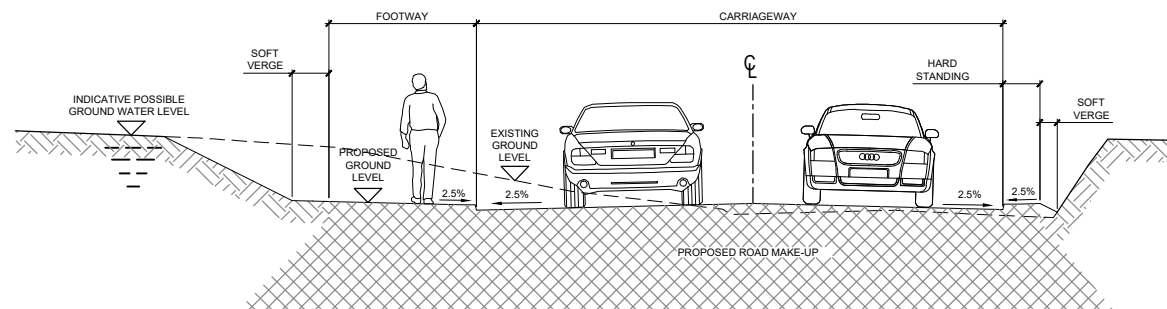
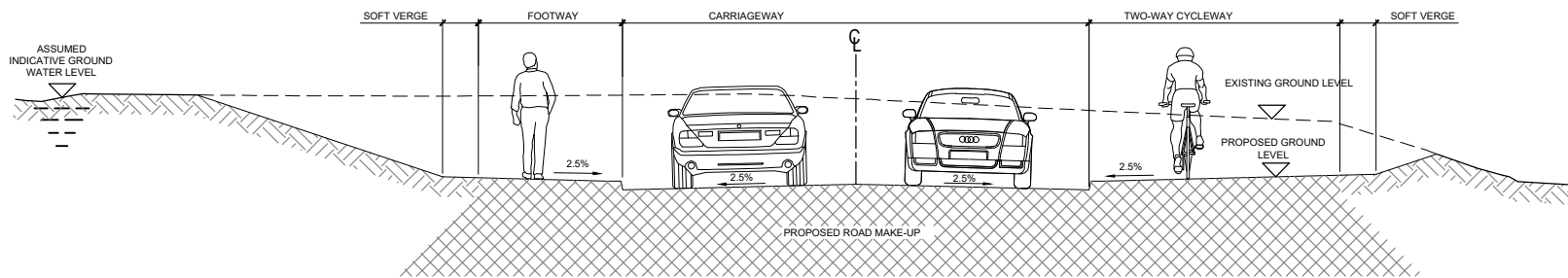
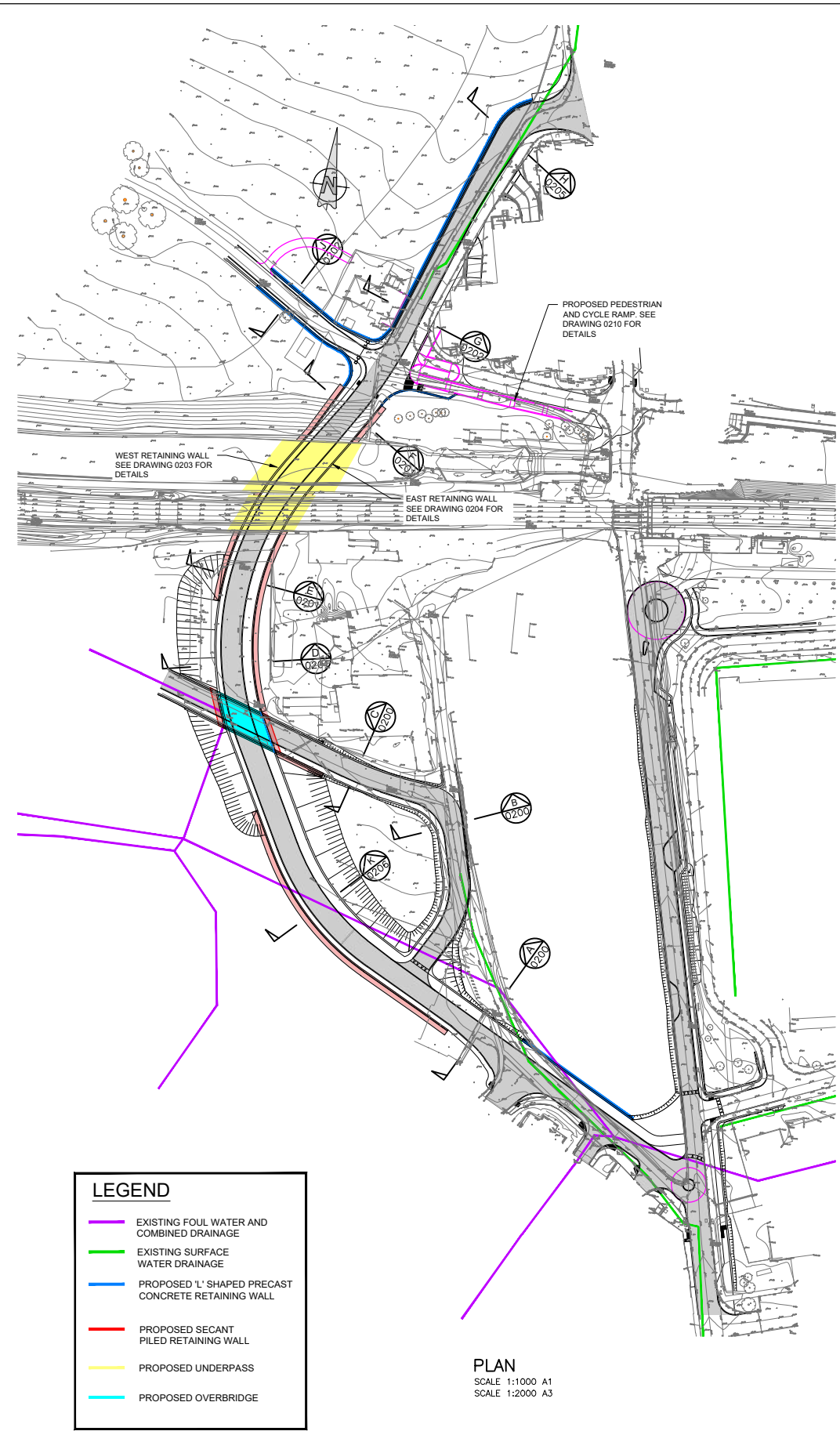
STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS  
GENERAL ARRANGEMENT - PLAN  
SHEET 2 OF 2

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**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METRES ABOVE NATIONAL ORDNANCE DATUM UNLESS NOTED OTHERWISE.
  - ALL GROUND STRATA INFORMATION AND GROUND WATER INFORMATION IS ASSUMED AND INDICATIVE. TO BE CONFIRMED FOLLOWING RECEIPT OF SITE SPECIFIC GROUND INVESTIGATION INFORMATION.
  - BELOW GROUND UTILITIES AND DUCTING NOT SHOWN AT THIS STAGE, TO BE DEVELOPED AT DETAILED DESIGN.

- REFERENCE INFORMATION**
- TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM DRAWING NUMBER MAY-PCA-VTO-SW\_AE-M2-VT-3002
  - EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 TO 0025
  - EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 TO 0025
  - FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 TO 0005

Client			
Project			
Drawing Title	STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS GENERAL ARRANGEMENT - SECTIONS SHEET 1 OF 7		
Scale:	1:50 @ A1 1:100 @ A3	Drawing Number   Project   Originator   Discipline   Location   Type   Role   Number   Phase	MAY MDC STR LC01 DR C 0200 D
Date:	April 2022	Job No:	P/101086
Status:	F1 - Approved & Accepted		Rev: V 01
Sheet:	01 of 07		

Client

Consultant

Project

Drawing Title

STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
GENERAL ARRANGEMENT - SECTIONS  
SHEET 1 OF 7

Scale:

1:50 @ A1  
1:100 @ A3

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

MAY MDC STR LC01 DR C 0200 D

Date: April 2022

Job No: P/101086

Status: F1 - Approved & Accepted

Rev: V 01

Sheet: 01 of 07

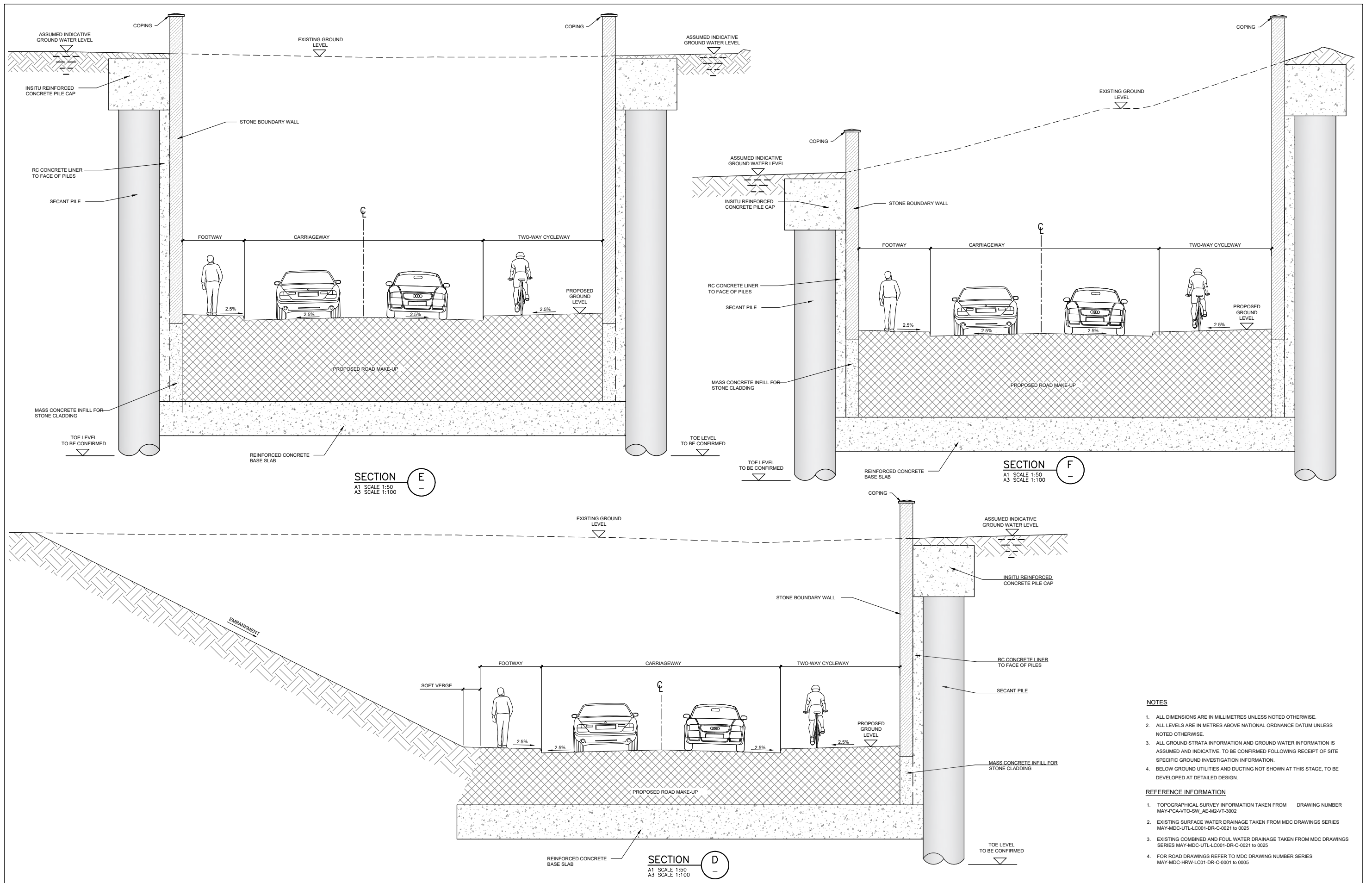
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLTG).



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- REFERENCE INFORMATION**
1. TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM DRAWING NUMBER MAY-PCA-VTO-SW\_AE-M2-VT-3002
  2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
  3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
  4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005

Client	Tionscatal Éireann Project Ireland 2040		
Consultant	IDOM	G3	PROD
Project	DART+ West		
Drawing Title	STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS GENERAL ARRANGEMENT - SECTIONS SHEET 2 OF 7		
Scale:	1:50 @ A1 1:100 @ A3		
Drawing Number	Project	Originator	Discipline
MAY	MDC	STR	LC01
DR	C	0201	D
Date:	Job No:	Status:	Rev:
April 2022	P/101086	F1 - Approved & Accepted	V 01
Sheet: 02 of 07			

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

Consultant: IDOM, G3, PROD

Drawing Title: STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS GENERAL ARRANGEMENT - SECTIONS SHEET 2 OF 7

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

Drawing Number: MAY MDC STR LC01 DR C 0201 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 02 of 07

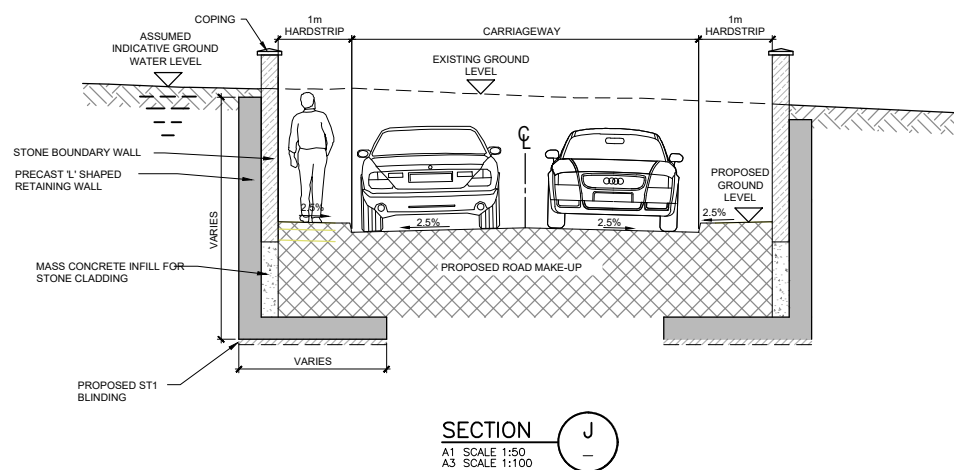
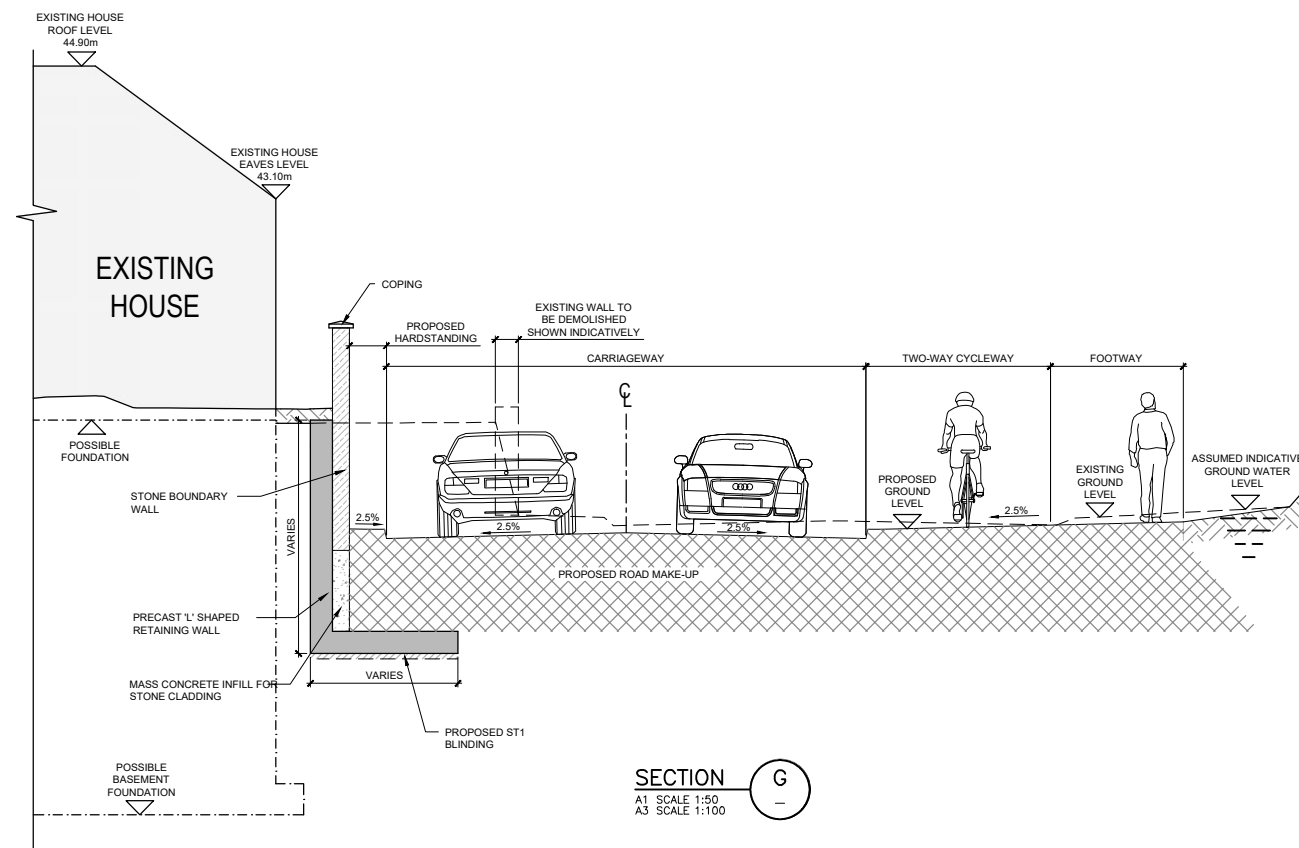


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2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



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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**  
STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
GENERAL ARRANGEMENT - SECTIONS  
SHEET 3 OF 7

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

**Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase**  
MAY MDC STR LC01 DR C 0202 D

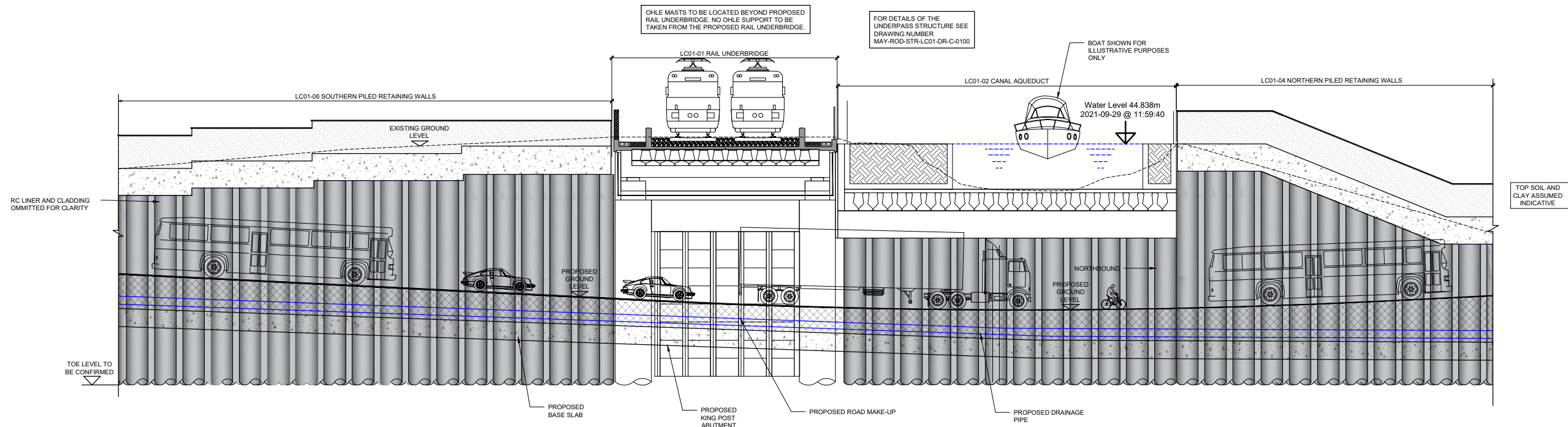
**Date:** April 2022  
**Job No:** P/101086  
**Status:** F1 - Approved & Accepted  
**Rev:** V 01  
**Sheet:** 03 of 07

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**REFERENCE INFORMATION**

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2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



**ELEVATION WEST RETAINING WALL**

A1 SCALE 1:125  
A3 SCALE 1:250

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Client

Project

Consultant

Drawing Title

STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
WEST ELEVATION  
SHEET 4 OF 7

Scale:

1:50 @ A1 1:100 @ A3

Date:	April 2022	Job No:	P/101086	Status:	F1 - Approved & Accepted	Rev:	V 01	Sheet:	04 of 07
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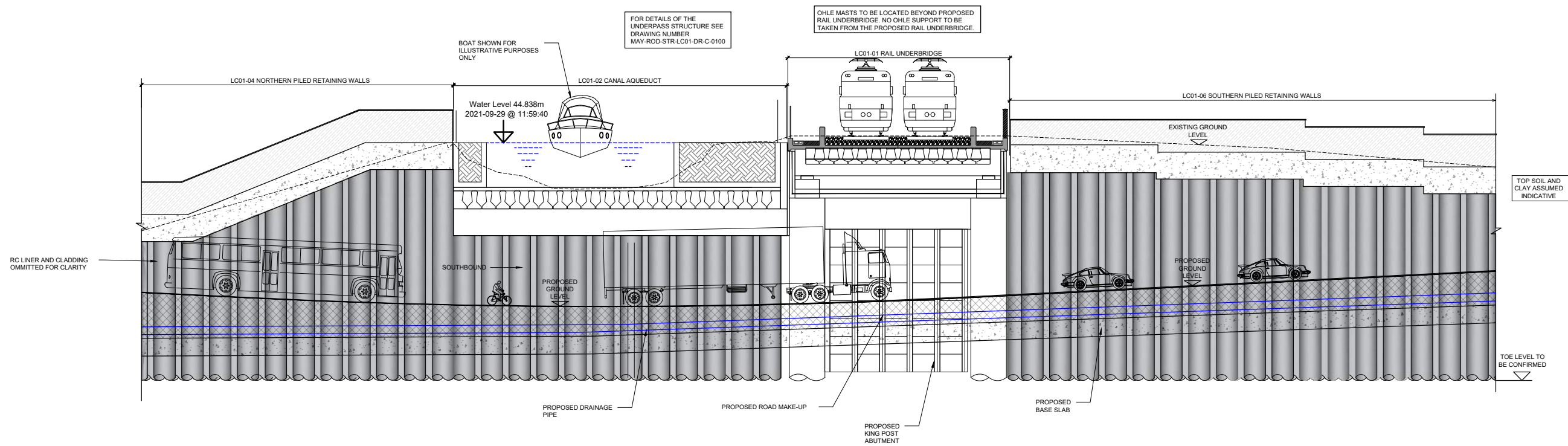


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2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



**ELEVATION EAST RETAINING WALL**

A1 SCALE 1:125  
A3 SCALE 1:250

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Client

Project

Consultant

Drawing Title

STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
EAST ELEVATION  
SHEET 5 OF 7

Scale:

1:50 @ A1 1:100 @ A3

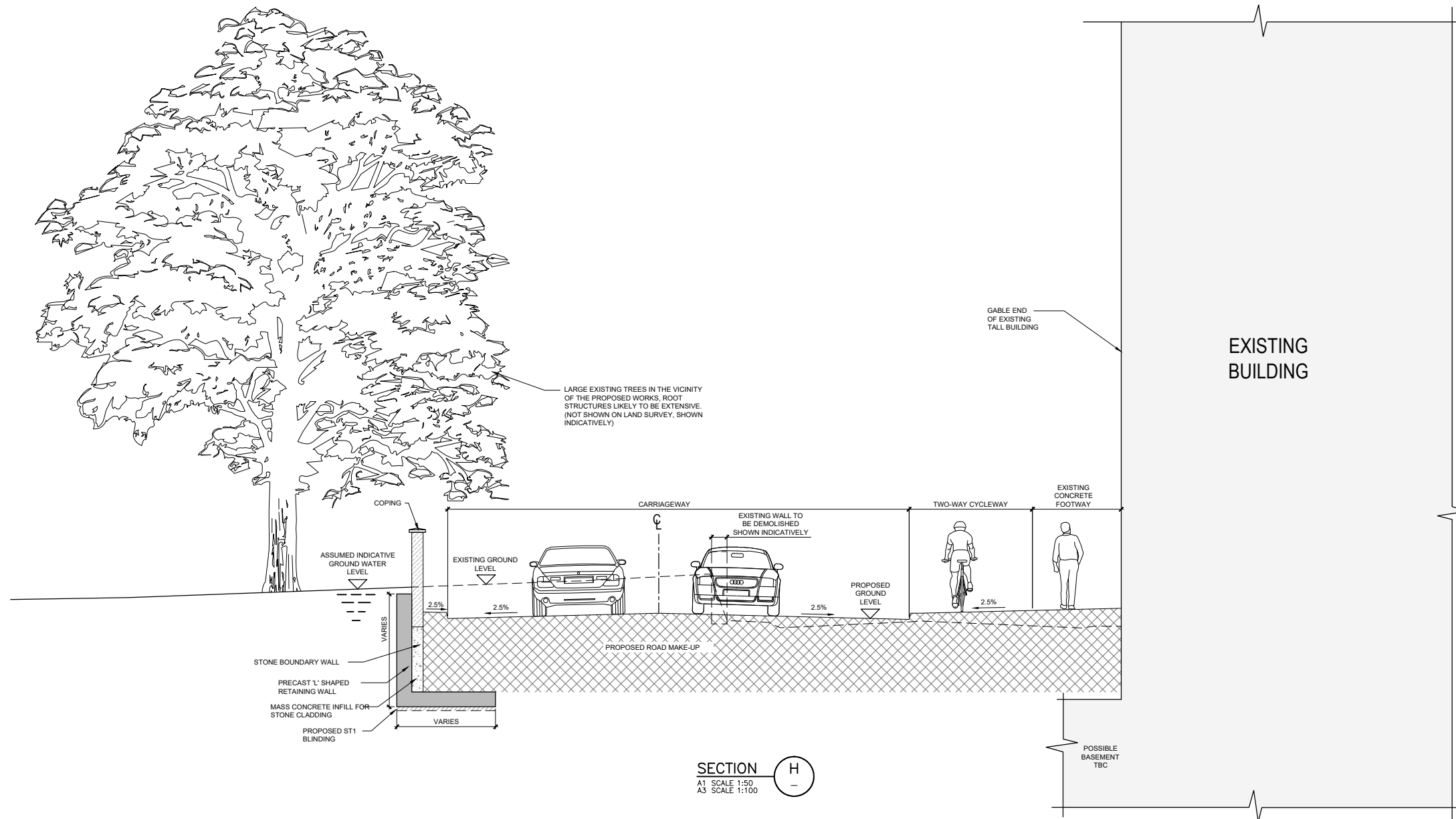
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MAY	MDC	STR	LC01	DR	C	0204	D	
Date:	Job No:	Status:	Rev:	Sheet:				
April 2022	P/101086	F1 - Approved & Accepted	V 01	05 of 07				

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2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



**SECTION H**  
 A1 SCALE 1:50  
 A3 SCALE 1:100

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**Client**

**Project**

**Consultant**

**Drawing Title**

STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
 GENERAL ARRANGEMENT - SECTIONS  
 SHEET 6 OF 7

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

<b>Drawing Number</b>	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY MDC STR LC01 DR C 0205							0205	D
<b>Date:</b>	<b>Job No:</b>	<b>Status:</b>	<b>Rev:</b>					
April 2022	P/101086	F1 - Approved & Accepted	V 01	Sheet: 06 of 07				

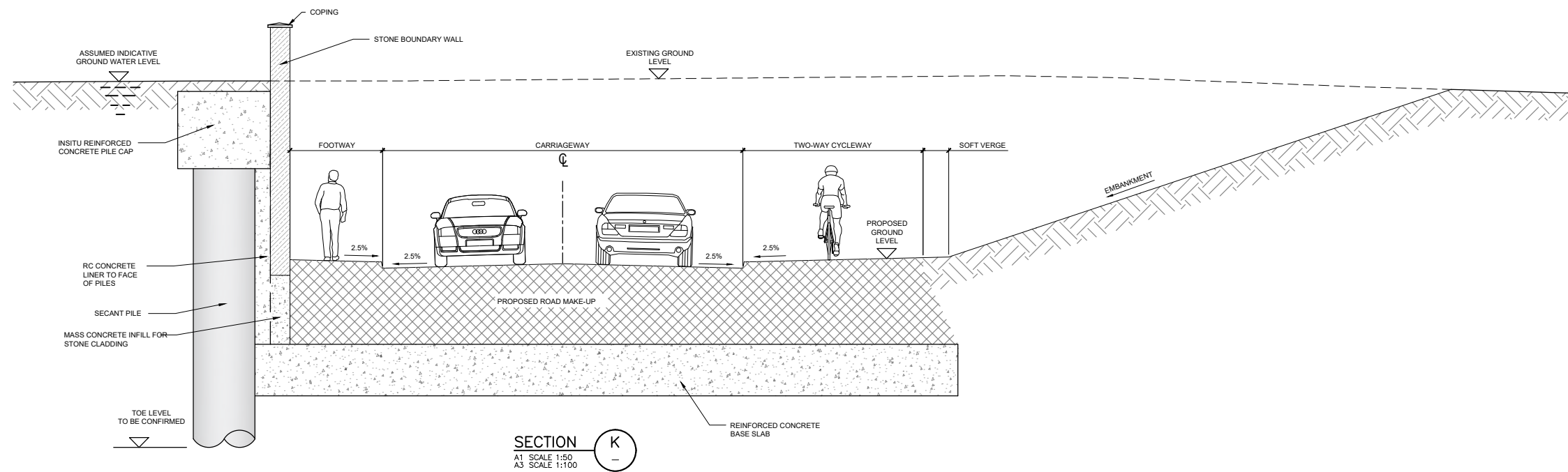


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2. EXISTING SURFACE WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
3. EXISTING COMBINED AND FOUL WATER DRAINAGE TAKEN FROM MDC DRAWINGS SERIES MAY-MDC-UTL-LC001-DR-C-0021 to 0025
4. FOR ROAD DRAWINGS REFER TO MDC DRAWING NUMBER SERIES MAY-MDC-HRW-LC01-DR-C-0001 to 0005



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Client

Consultant

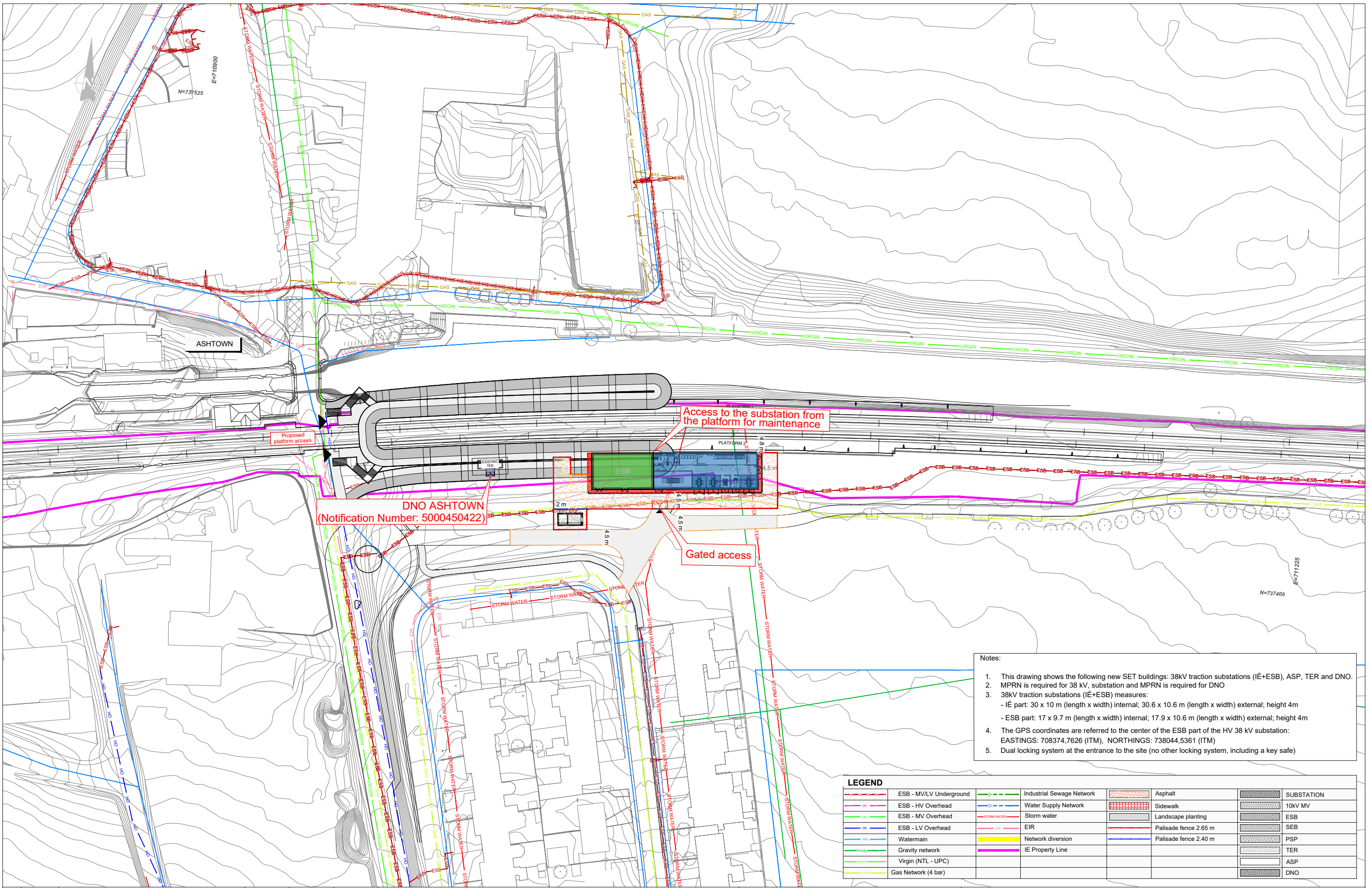
Project

Drawing Title  
 STRUCTURES DESIGN - LC01: ASHTOWN UNDERPASS - RETAINING WALLS  
 GENERAL ARRANGEMENT - SECTIONS  
 SHEET 7 OF 7

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

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY MDC STR LC01 DR C 0206 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 07 of 07



- Notes:
1. This drawing shows the following new SET buildings: 38kV traction substations (IE+ESB), ASP, TER and DNO.
  2. MPRN is required for 38 kV, substation and MPRN is required for DNO
  3. 38kV traction substations (IE+ESB) measures:
    - IE part: 30 x 10 m (length x width) internal; 30.6 x 10.6 m (length x width) external; height 4m
    - ESB part: 17 x 9.7 m (length x width) internal; 17.9 x 10.6 m (length x width) external; height 4m
  4. The GPS coordinates are referred to the center of the HV 38 kV substation: EASTINGS: 708374,7626 (ITM), NORTHINGS: 738044,5361 (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 Sewerage Network
ESB - HV Overhead	Water Supply Network
ESB - MV Overhead	Storm water
ESB - LV Overhead	EIR
Watermain	Network diversion
Gravity network	IE 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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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG).

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

Consultant: IDOM, G3, IROD

Project: DART+ West

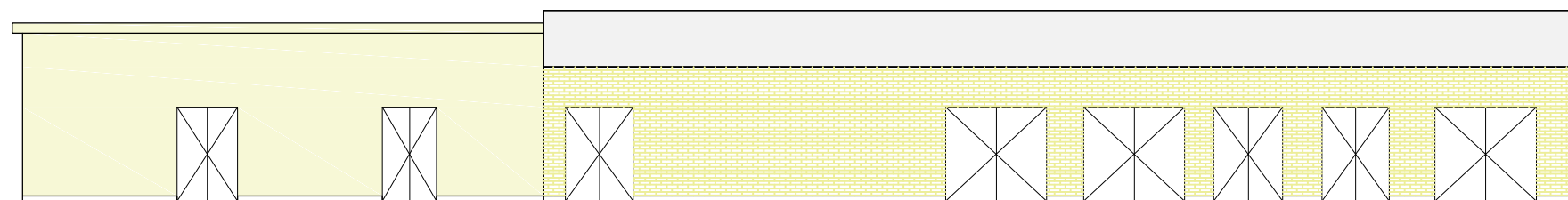
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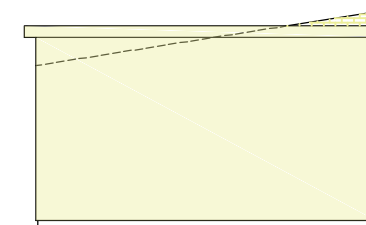
Drawing Number: MAY MDC SET ROUT DR Z 0003 D

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



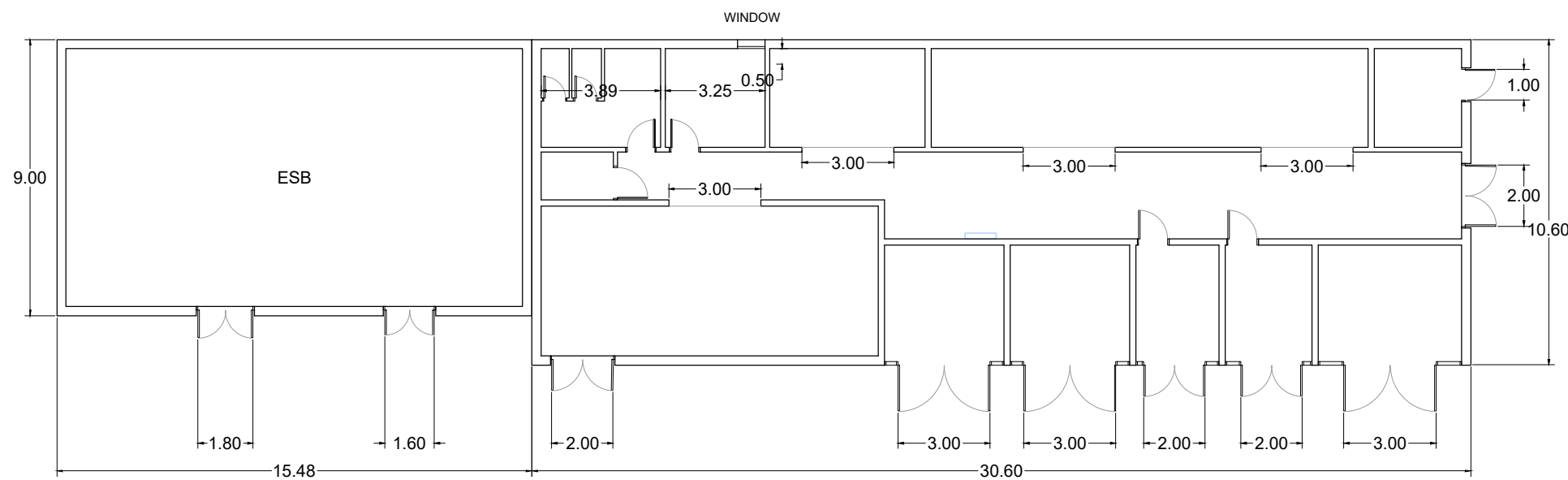


FRONT VIEW



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

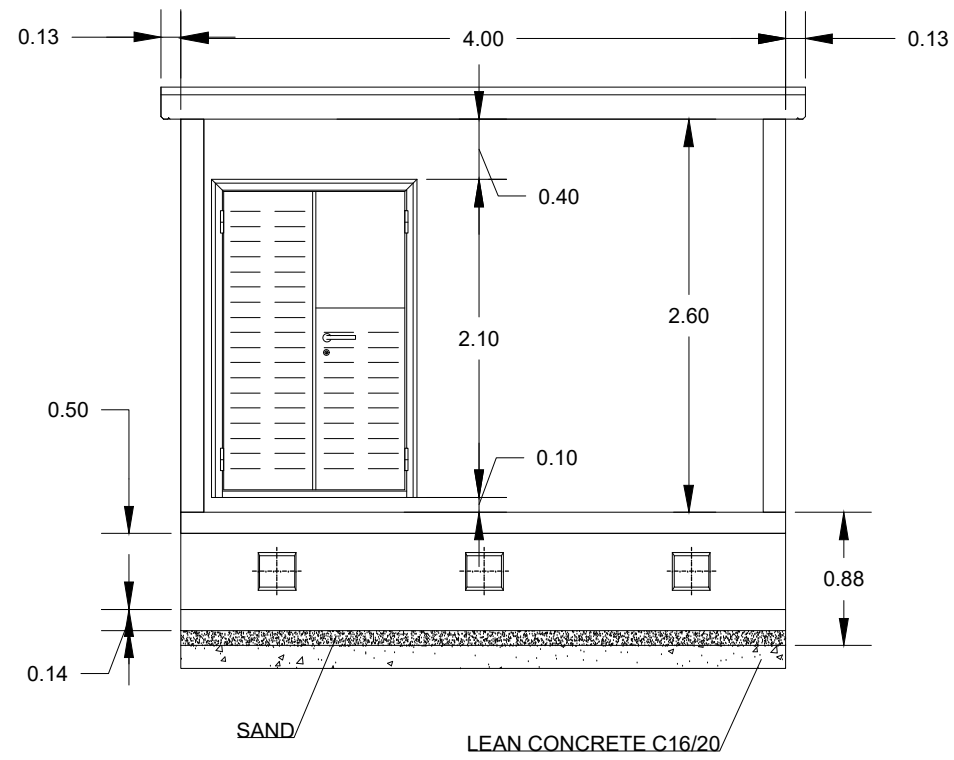
Drawing Title

SET TECHNICAL BUILDINGS  
ASHTOWN BUILDINGS DETAIL

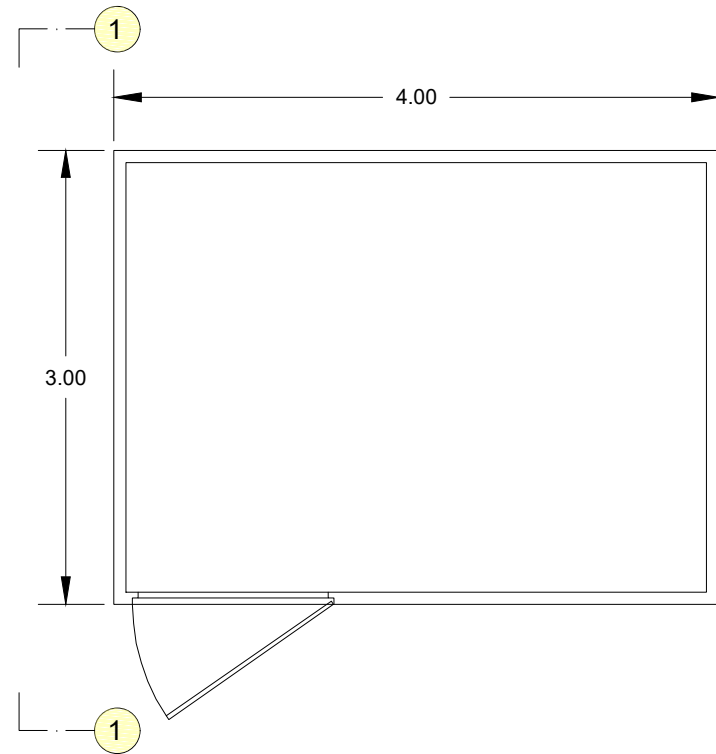
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Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY MDC SET RS07 DR Z 0010							0010	D

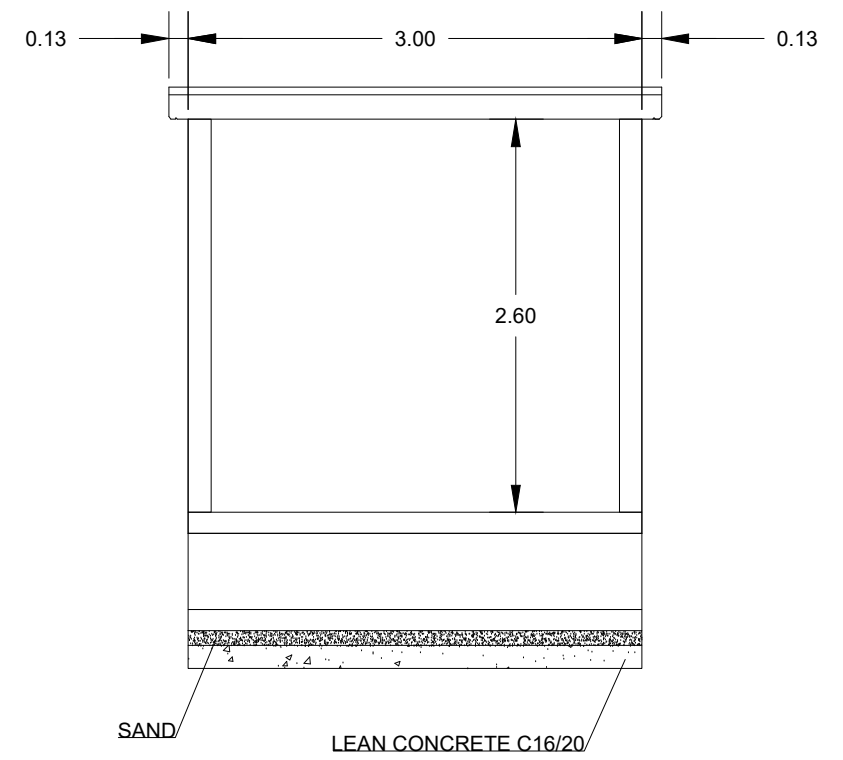
Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	01 of 02



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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 Survey No. 6039720 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2020091\_NMA\_180 (OSi Vector Data).  
 All elevations are in metres and relate to OSi Geoid Model1 (OSGM02) Mean-High 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

SET TECHNICAL BUILDINGS  
ASHTOWN BUILDINGS DETAIL

Scale: 1:20@ A3

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