

PROPOSED DRAINAGE PLANS



DRAWING NUMBER

- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-1000
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0001
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0002
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0003
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0004
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0005
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0006
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0007
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0008
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0009
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0010
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0011
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0012
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0013
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0014
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0015
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0016
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0017
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0018
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0019
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- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0023
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0024
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0025
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0026
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0027
- C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0028

DRAWING TITLE

- PROPOSED DRAINAGE PLANS. TITLE SHEET AND KEY PLAN
- PROPOSED TRACK DRAINAGE. CH290 TO CH650
- PROPOSED TRACK DRAINAGE. CH650 TO CH1030
- PROPOSED TRACK DRAINAGE. CH1030 TO CH1400
- PROPOSED TRACK DRAINAGE. CH1400 TO CH1780
- PROPOSED TRACK DRAINAGE. CH1780 TO CH2150
- PROPOSED TRACK DRAINAGE. CH2150 TO CH2520
- PROPOSED TRACK DRAINAGE LAYOUT. CH2520 TO CH2900
- PROPOSED TRACK DRAINAGE LAYOUT. CH2900 TO CH3280
- PROPOSED TRACK DRAINAGE LAYOUT. CH3280 TO CH3660
- PROPOSED TRACK DRAINAGE LAYOUT. CH3660 TO CH4040
- PROPOSED TRACK DRAINAGE LAYOUT. CH4040 TO CH4410
- PROPOSED TRACK DRAINAGE LAYOUT. CH4410 TO CH4790
- PROPOSED TRACK DRAINAGE LAYOUT. CH4790 TO CH5170
- PROPOSED TRACK DRAINAGE LAYOUT. CH5170 TO CH5550
- PROPOSED TRACK DRAINAGE LAYOUT. CH5550 TO CH5930
- PROPOSED TRACK DRAINAGE LAYOUT. CH5930 TO CH6310
- PROPOSED TRACK DRAINAGE LAYOUT. CH6310 TO CH6690
- PROPOSED TRACK DRAINAGE LAYOUT. CH6690 TO CH7070
- PROPOSED TRACK DRAINAGE LAYOUT. CH7070 TO CH7450
- PROPOSED TRACK DRAINAGE LAYOUT. CH7450 TO CH7830
- PROPOSED TRACK DRAINAGE LAYOUT. CH7830 TO CH8210
- PROPOSED TRACK DRAINAGE LAYOUT. CH8210 TO CH8600
- PROPOSED TRACK DRAINAGE LAYOUT. CH8600 TO CH8980
- PROPOSED TRACK DRAINAGE LAYOUT. CH8980 TO CH9350
- PROPOSED TRACK DRAINAGE LAYOUT. CH9350 TO CH9740
- PROPOSED TRACK DRAINAGE LAYOUT. CH9740 TO CH10110
- PROPOSED TRACK DRAINAGE LAYOUT. CH10110 TO CH10470
- PROPOSED TRACK DRAINAGE LAYOUT. CH10470 TO CH10640



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Project Ireland
2040



NTA
Údarás Náisiúnta Iompair
National Transport Authority



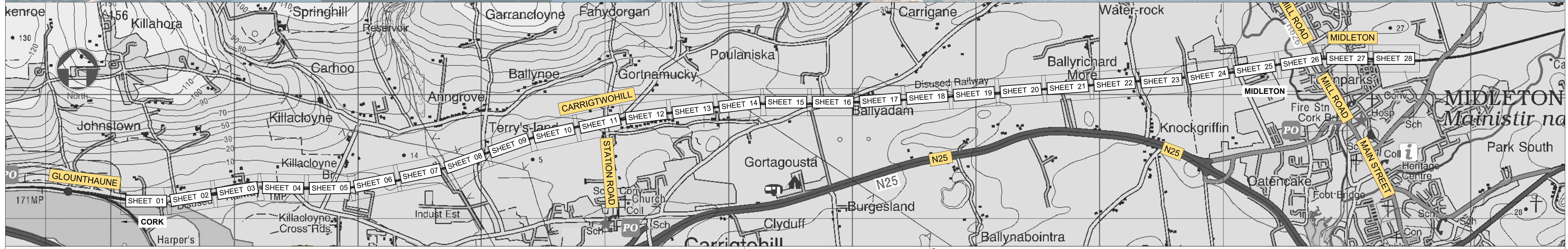
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Iarnród Éireann
Irish Rail



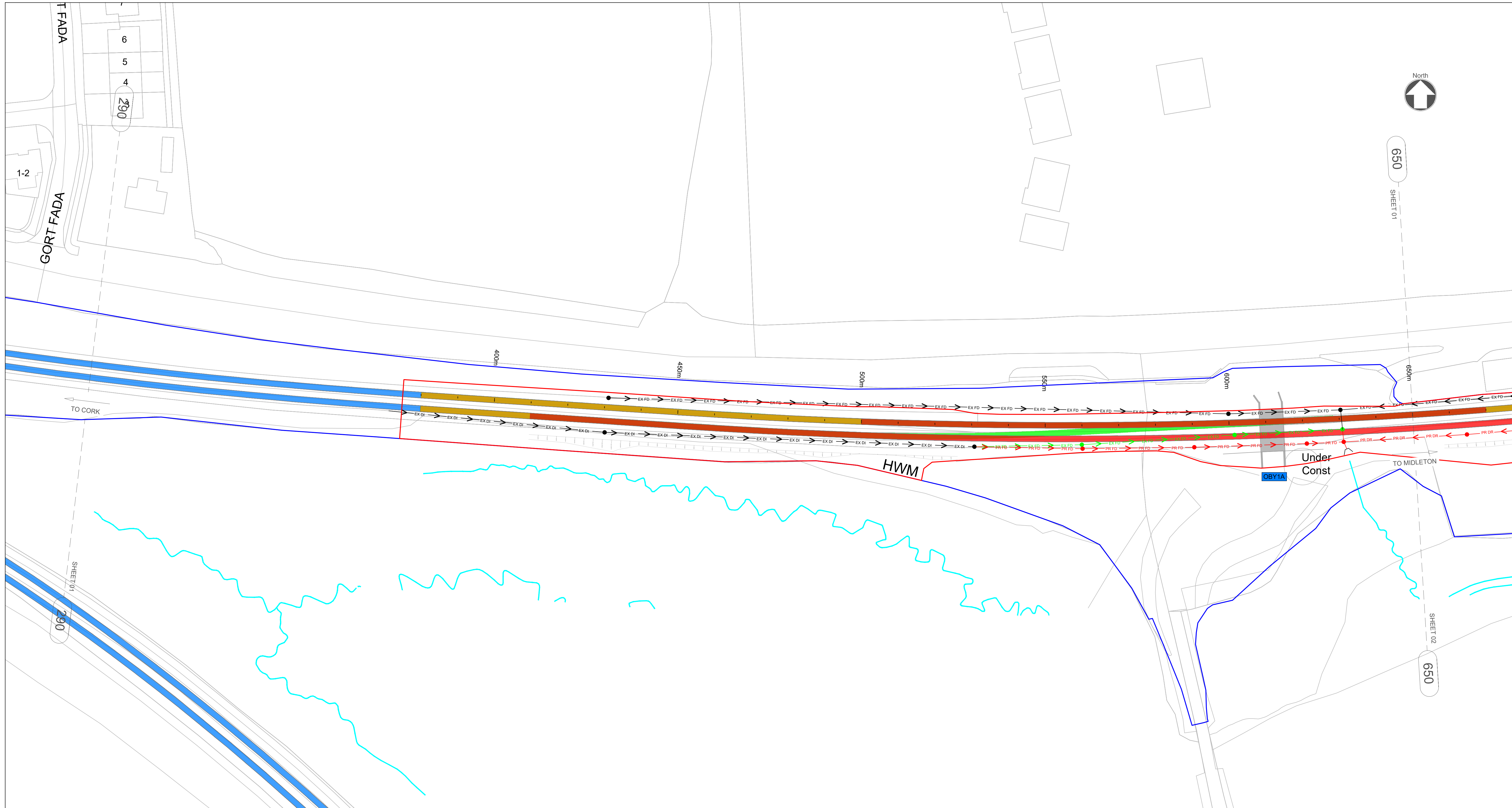
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GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

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Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 V8V6		Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
 		Drawing Title: PROPOSED DRAINAGE PLANS TITLE SHEET AND KEY PLAN	
MOTT MACDONALD 5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-1000 Sheet 1 of 1	
Date: 22/09/22 Designed: I.Mangourou Drawn: D.GALLAGHER Dwg check: G.BERCOT Eng check: N.SAMACHETTY		Scale @A1: NTS Scale @A3: NTS Acceptance: S Purpose: P1 Rev: P01	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



NOTES

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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBX XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBX XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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Scale: 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Client: Iarnród Éireann-Irish Rail
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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH290 TO CH650

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0001

Sheet 1 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

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

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
 CH650 TO CH1030

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0002

Sheet 2 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Acceptance	S	Purpose	P1
Scale @A3:	1:1000	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	ORBY XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UOBY XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check	Description
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY	Preliminary Design for Public Consultation
					PHASE 3: PRELIMINARY DESIGN

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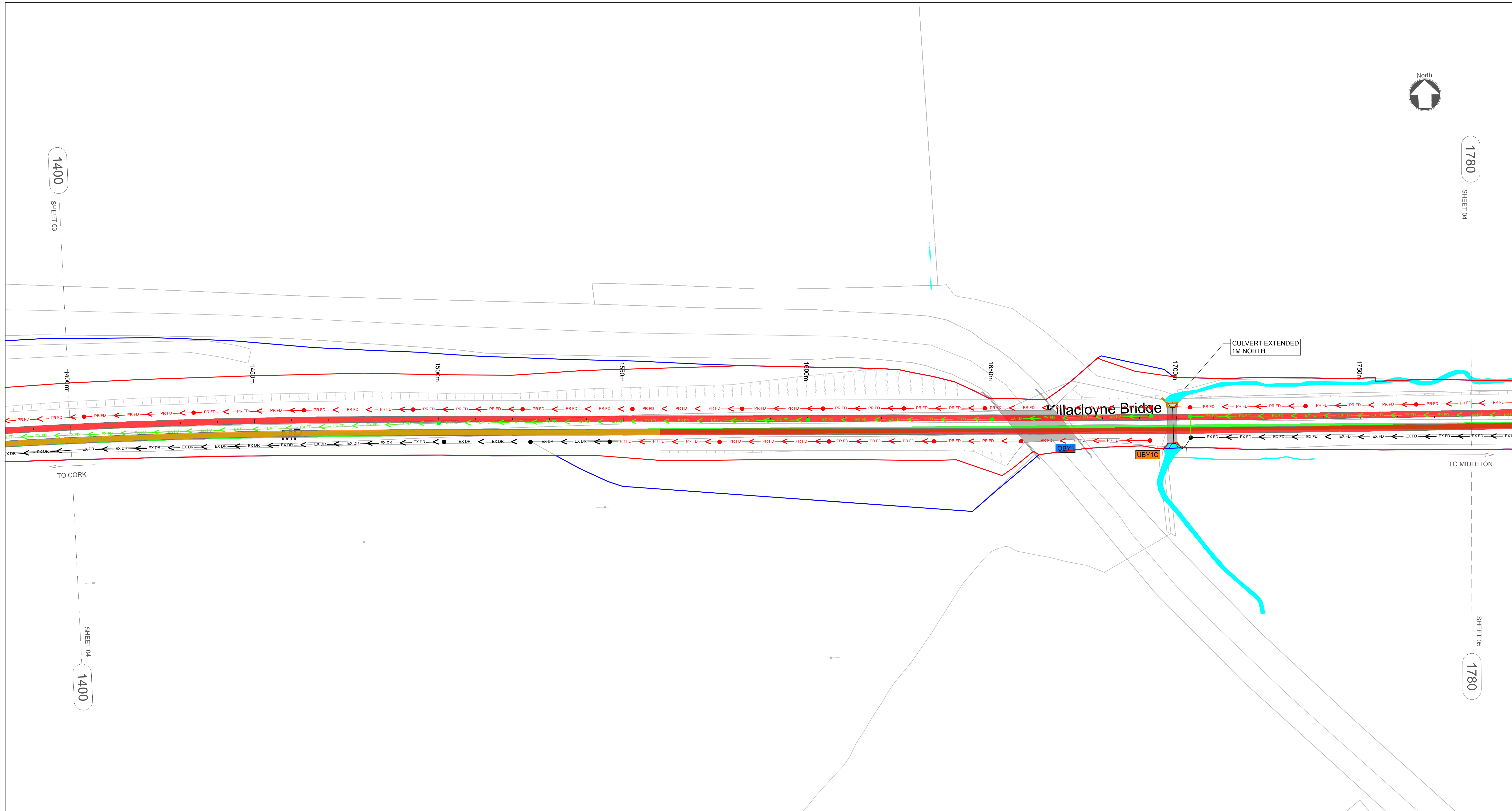
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH1030 TO CH1400

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0003
Sheet 3 of 28

Date	22/09/22	Designed	K. Stephens	Drawn	D.GALLAGHER	Dwg check	G.BERCOT	Eng check	N.SAMACHETTY	Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance	S	Purpose	P1	Rev	P02
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	●	EXISTING MANHOLE TO BE RETAINED
	●	PROPOSED MANHOLE
	—	RUNNING LINES
	—	EXISTING TRACK SLUED OR MODIFIED
	—	SIDINGS
	—	PROPOSED TRACKWORK
	—	TRACKWORK TO BE REMOVED
	—	DEVELOPMENT BOUNDARY
	—	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBX XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBX XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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Scale: 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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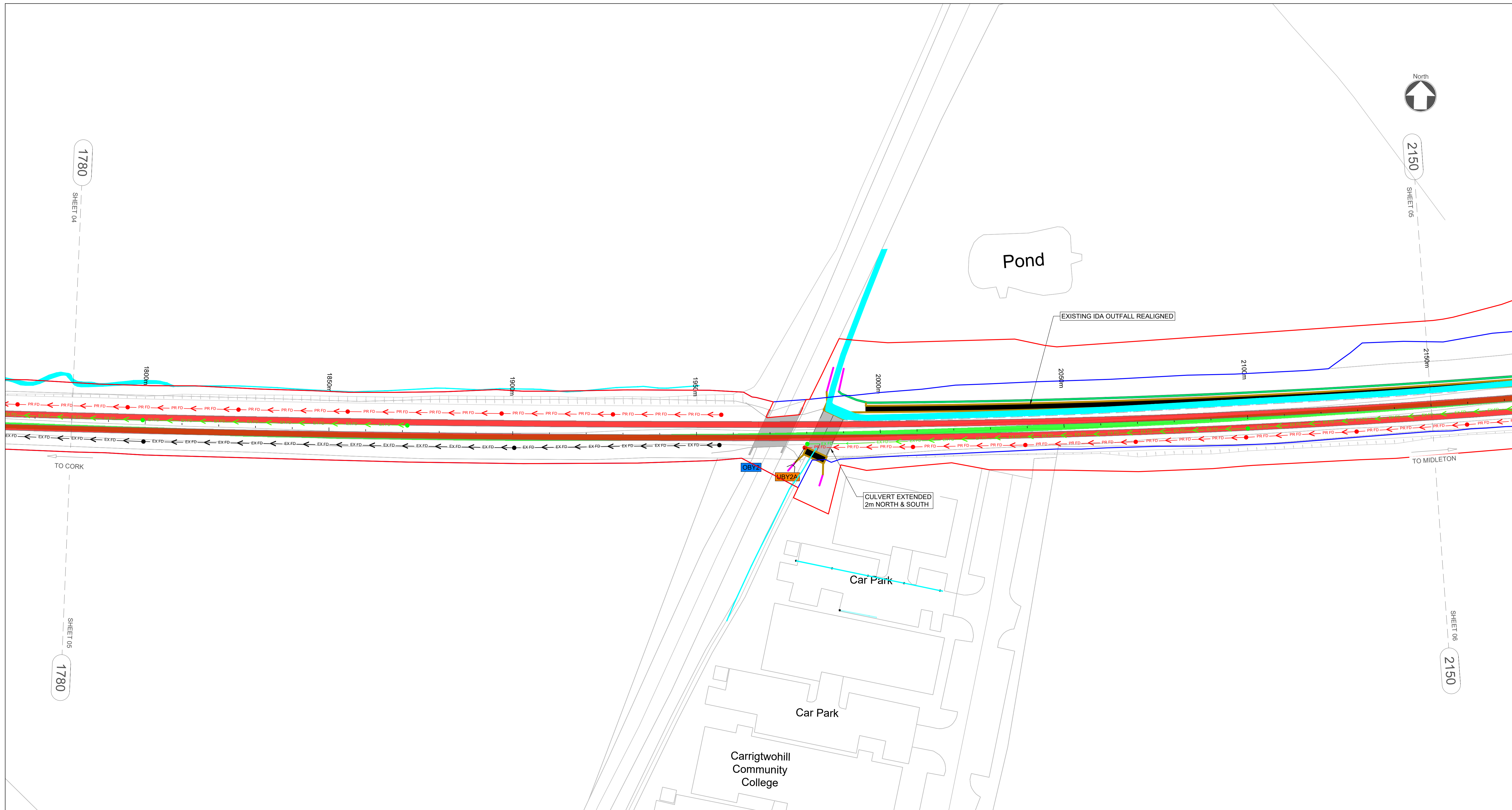
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH1400 TO CH1780

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0004

Sheet 4 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1:	1:500	Acceptance	S	Purpose	P1	Rev	P02
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	●	EXISTING MANHOLE TO BE RETAINED
	●	PROPOSED MANHOLE
	—	RUNNING LINES
	—	EXISTING TRACK SLUED OR MODIFIED
	—	SIDINGS
	—	PROPOSED TRACKWORK
	—	TRACKWORK TO BE REMOVED
	—	DEVELOPMENT BOUNDARY
	—	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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Scale: 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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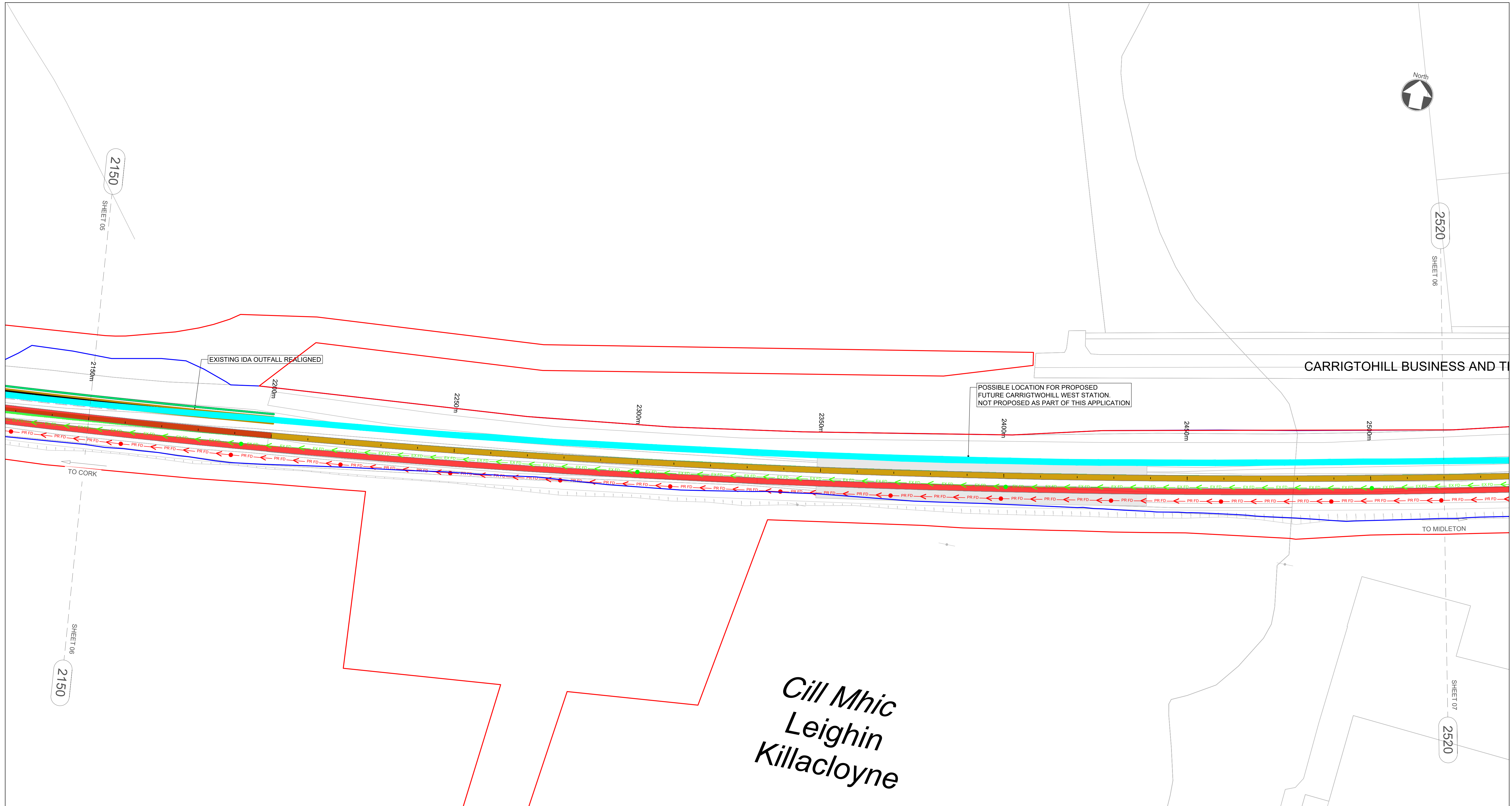
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH1780 TO CH2150

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0005

Sheet 5 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance	S	Purpose	P1	Rev	P02
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	Designed	Drawn	Dwg check	Eng check	Description
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY	PHASE 3: PRELIMINARY DESIGN

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

Scale bar: 0, 5.0, 10.0, 20.0, 30.0, 40.0, 50.0m

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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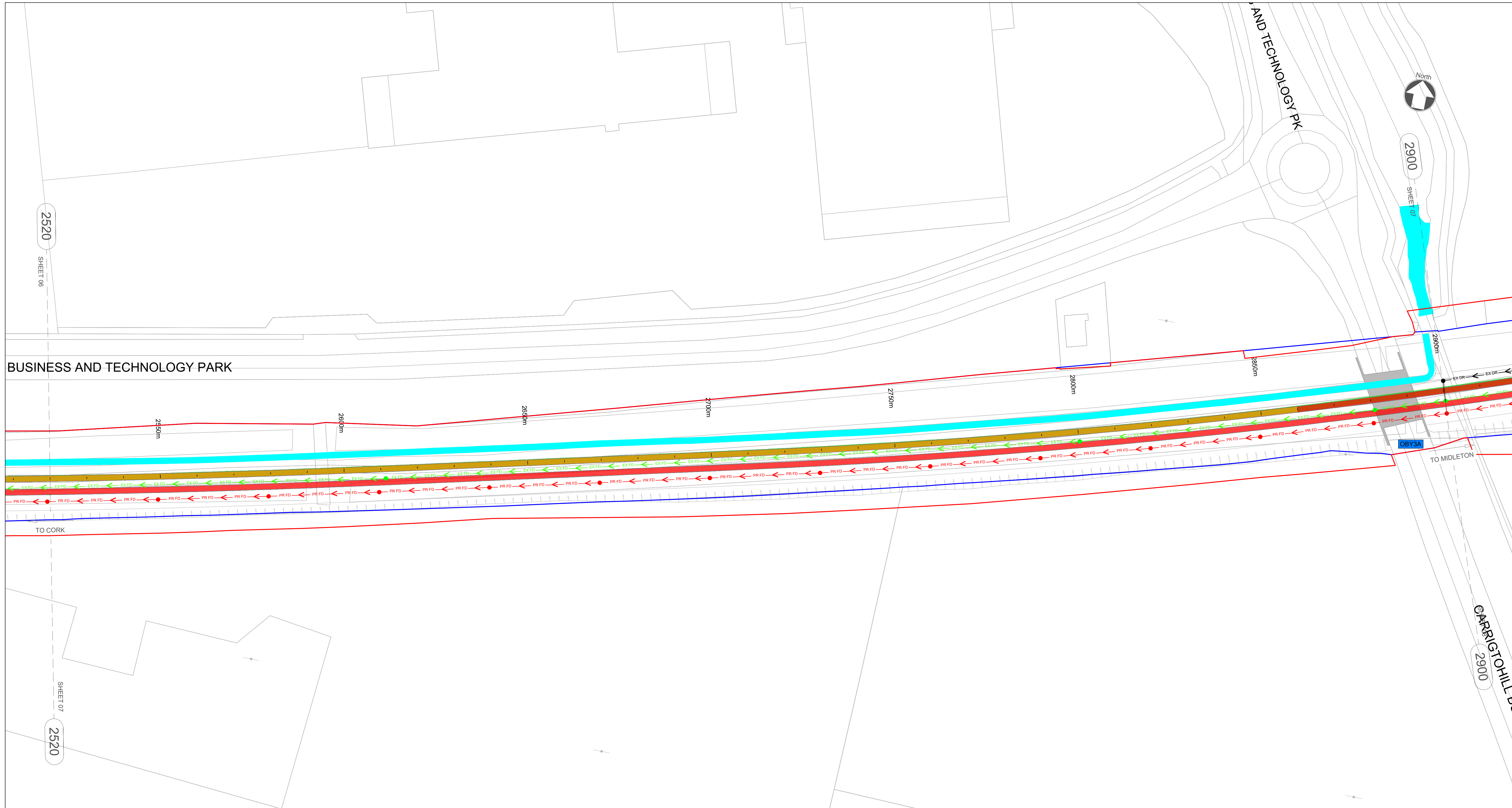
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH2150 TO CH2520

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0006

Sheet 6 of 28

Date	Designed	Drawn	Dwg check	Eng check	Coordination	Approved	Scale @A1: 1:500	Acceptance	Purpose	Rev
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY	N. SAMACHETTY	J. MCINERNEY	Scale @A3: 1:1000	S	P1	P02



NOTES

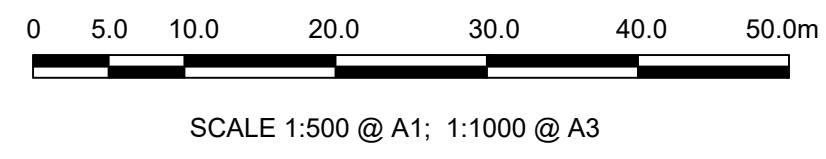
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBY XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBY XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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CIE

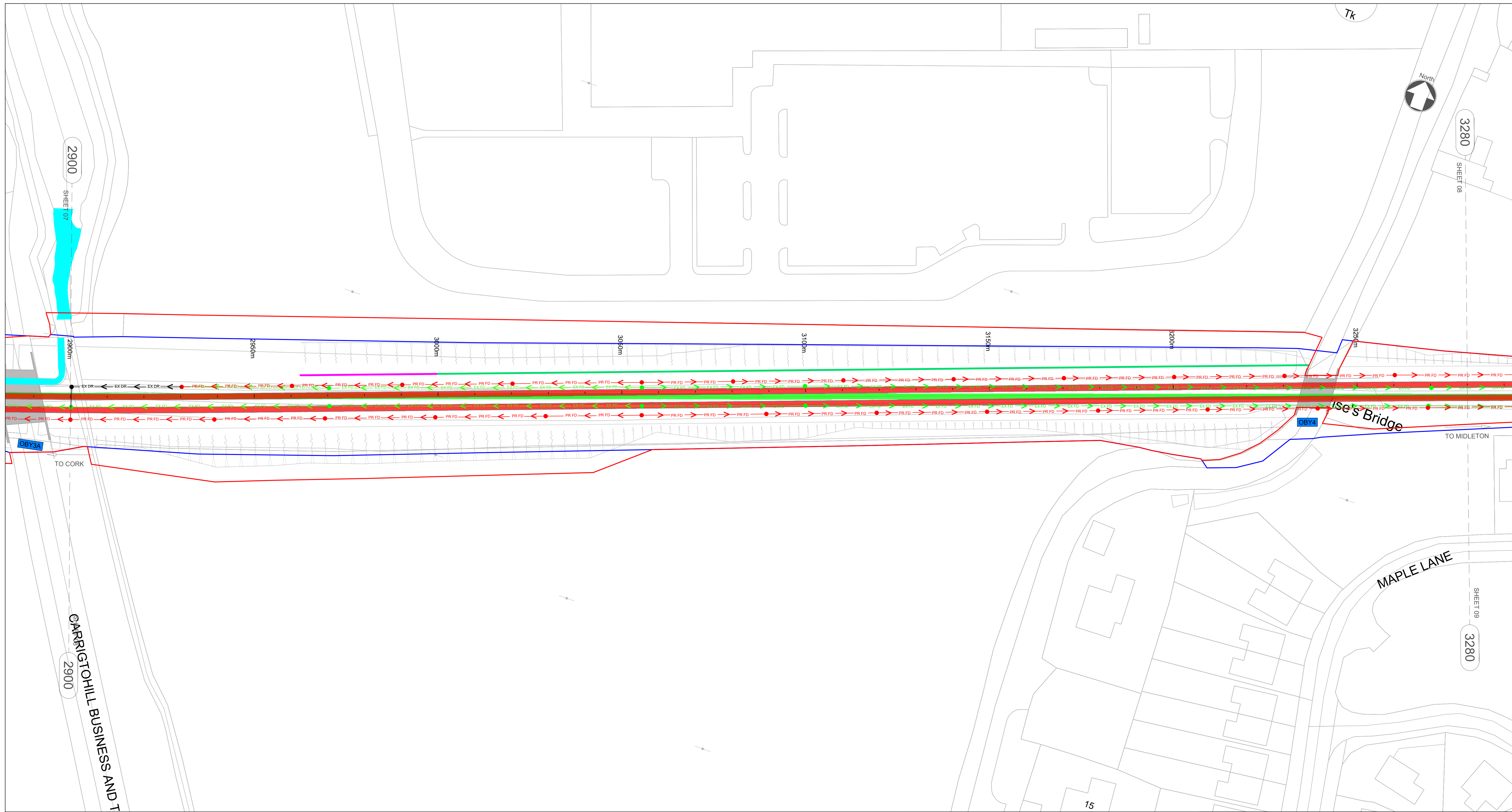
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH2520 TO CH2900

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0007

Sheet 7 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance	S	Purpose	P1	Rev	P02
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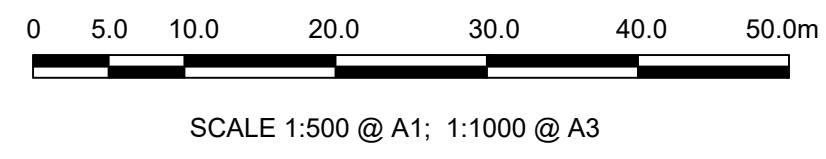
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	EX FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBY XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBY XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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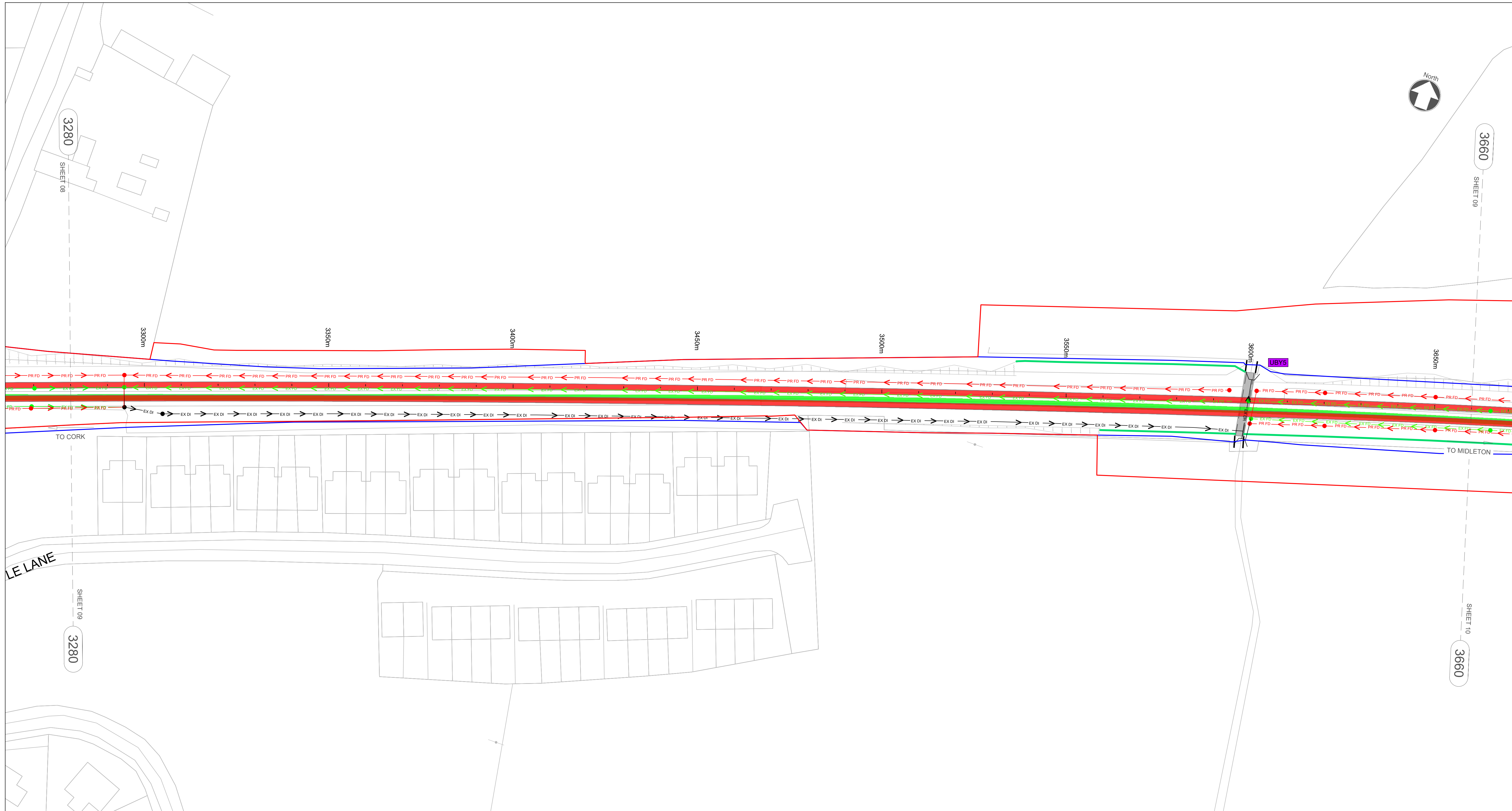
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: **PROPOSED TRACK DRAINAGE LAYOUT
 CH2900 TO CH3280**

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0008
 Sheet 8 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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Project Title CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title PROPOSED TRACK DRAINAGE LAYOUT
CH280 TO CH3660

Drawing File Name C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0009

Sheet 9 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1:	1:500	Acceptance	S	Purpose	P1	Rev	P02
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
	RL	RUNNING LINES
	EX TR	EXISTING TRACK SLUED OR MODIFIED
	SI	SIDINGS
	TR	PROPOSED TRACKWORK
	TR	TRACKWORK TO BE REMOVED
	DB	DEVELOPMENT BOUNDARY
	CO	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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SCALE 1:500 @ A1; 1:1000 @ A3

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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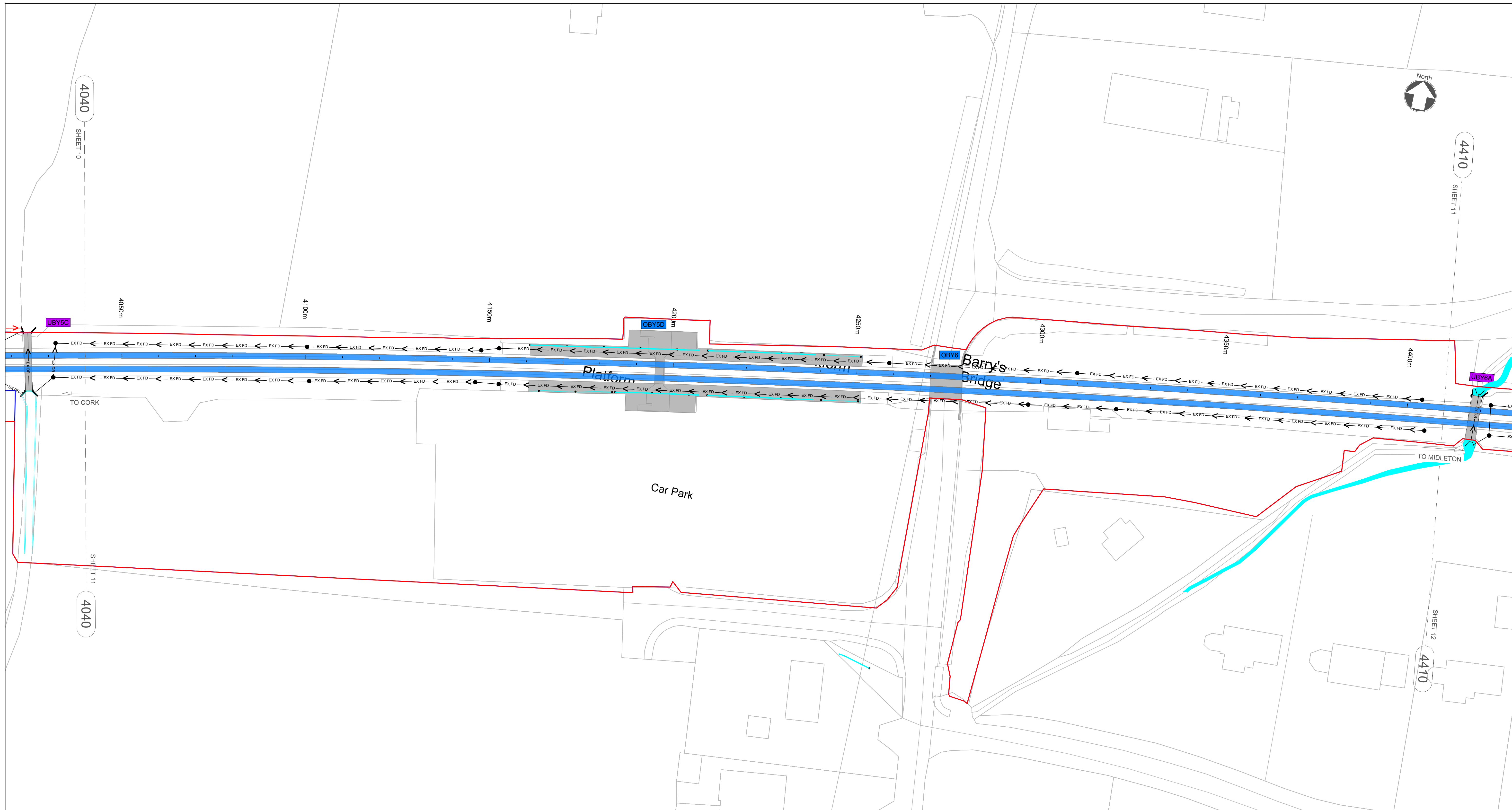
Project Title CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title PROPOSED TRACK DRAINAGE LAYOUT
CH3660 TO CH4040

Drawing File Name C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0010

Sheet 10 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1: 1:500	Acceptance	S	Purpose	P1	Rev	P02
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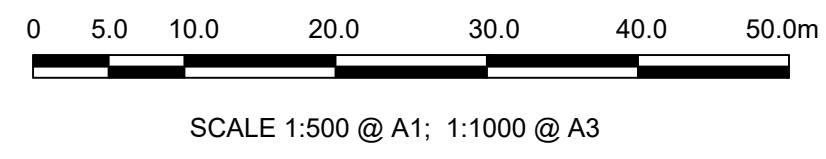
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX	EXISTING MANHOLE TO BE RETAINED
	PR	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBX XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBX XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng Check	Appr	Description
	22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
 CH4040 TO CH4410

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0011
 Sheet 11 of 28

Coordination: N.SAMACHETTY
 Approved: J.MCINERNEY
 Scale @A1: 1:500
 Scale @A3: 1:1000
 Acceptance: S
 Purpose: P1
 Rev: P02



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	EX FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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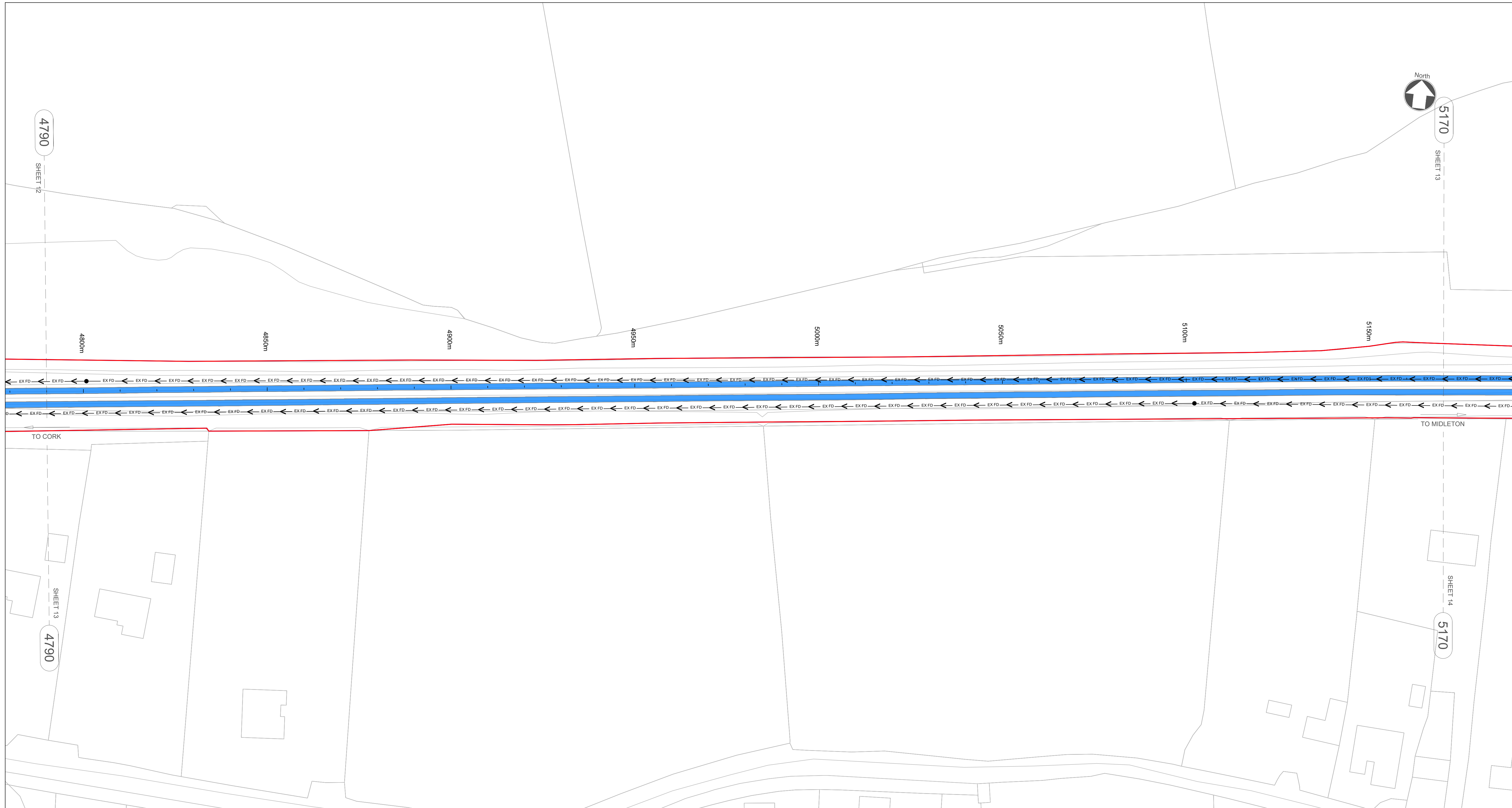
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH4410 TO CH4790

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0012
Sheet 12 of 28

Date: 22/09/22	Designed: K. STEPHENS	Drawn: D. GALLAGHER	Dwg check: G. BERCOT	Eng check: N. SAMACHETTY
Coordination: N. SAMACHETTY	Approved: J. MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance: S
Purpose: P1	Rev: P02	DO NOT SCALE USE FIGURED DIMENSIONS ONLY		



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

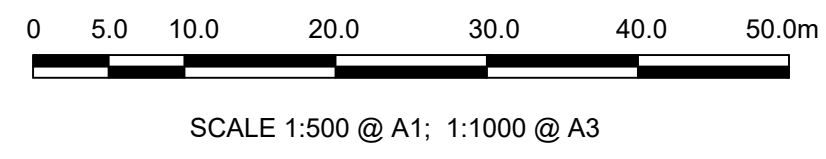
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CH4790 TO CH5170

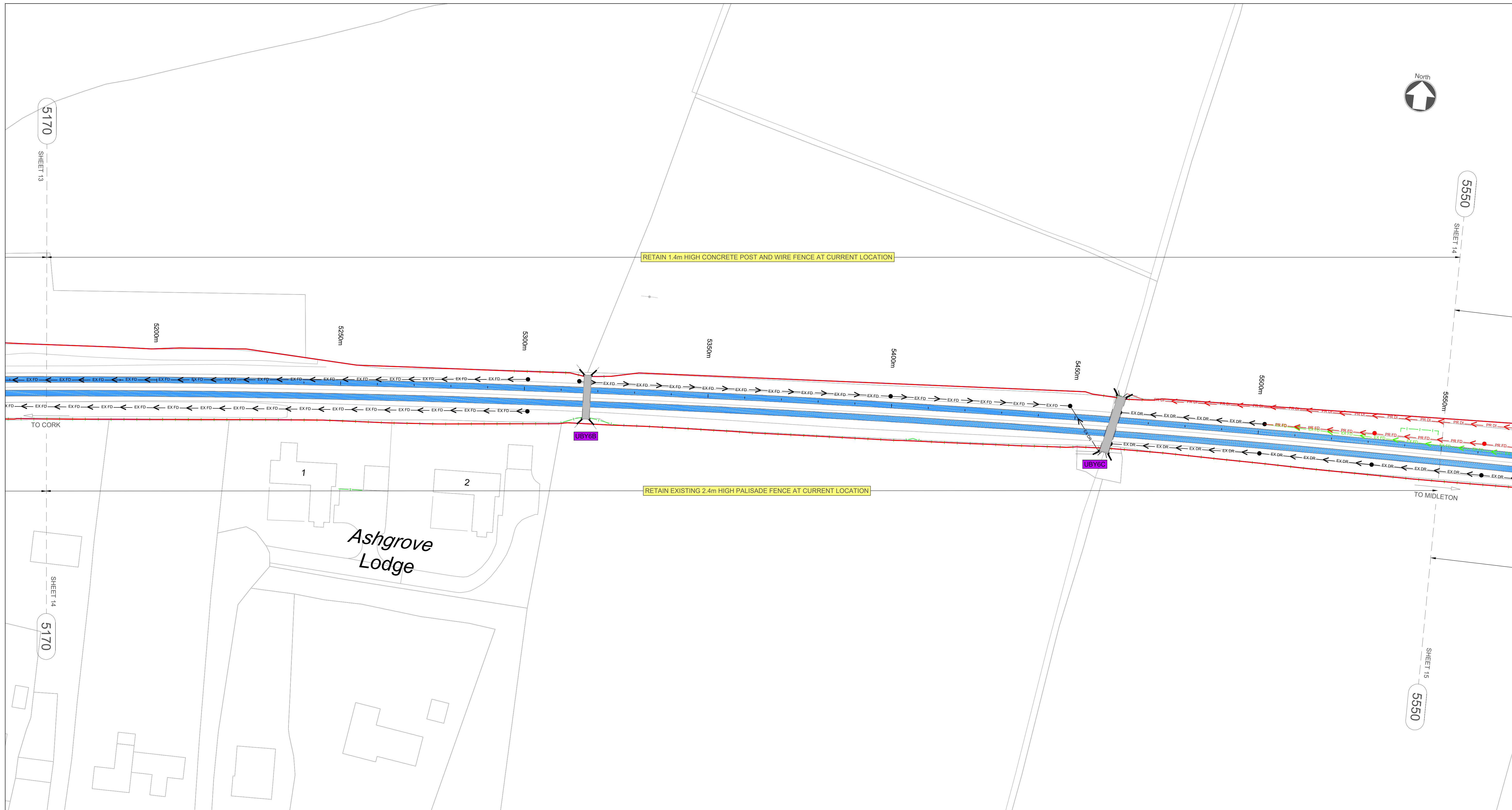
Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0013

Sheet 13 of 28

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
Scale @A1: 1:500
Scale @A3: 1:1000
Acceptance: S
Purpose: P1
Rev: P02





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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
	RL	RUNNING LINES
	ST	EXISTING TRACK SLUED OR MODIFIED
	SI	SIDINGS
	PT	PROPOSED TRACKWORK
	TR	TRACKWORK TO BE REMOVED
	DB	DEVELOPMENT BOUNDARY
	CO	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OB XX	EXISTING OVERBRIDGE
	OD XX	OVERBRIDGE TO BE DEMOLISHED
	UB XX	EXISTING UNDERBRIDGE
	UE XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	Designed	Drawn	Dwg check	Eng check	Description
22/09/22	K. Stephens	D. GALLAGHER	G. BERCOT	N. SAMACHETTY	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: **PROPOSED TRACK DRAINAGE LAYOUT
CH5170 TO CH5550**

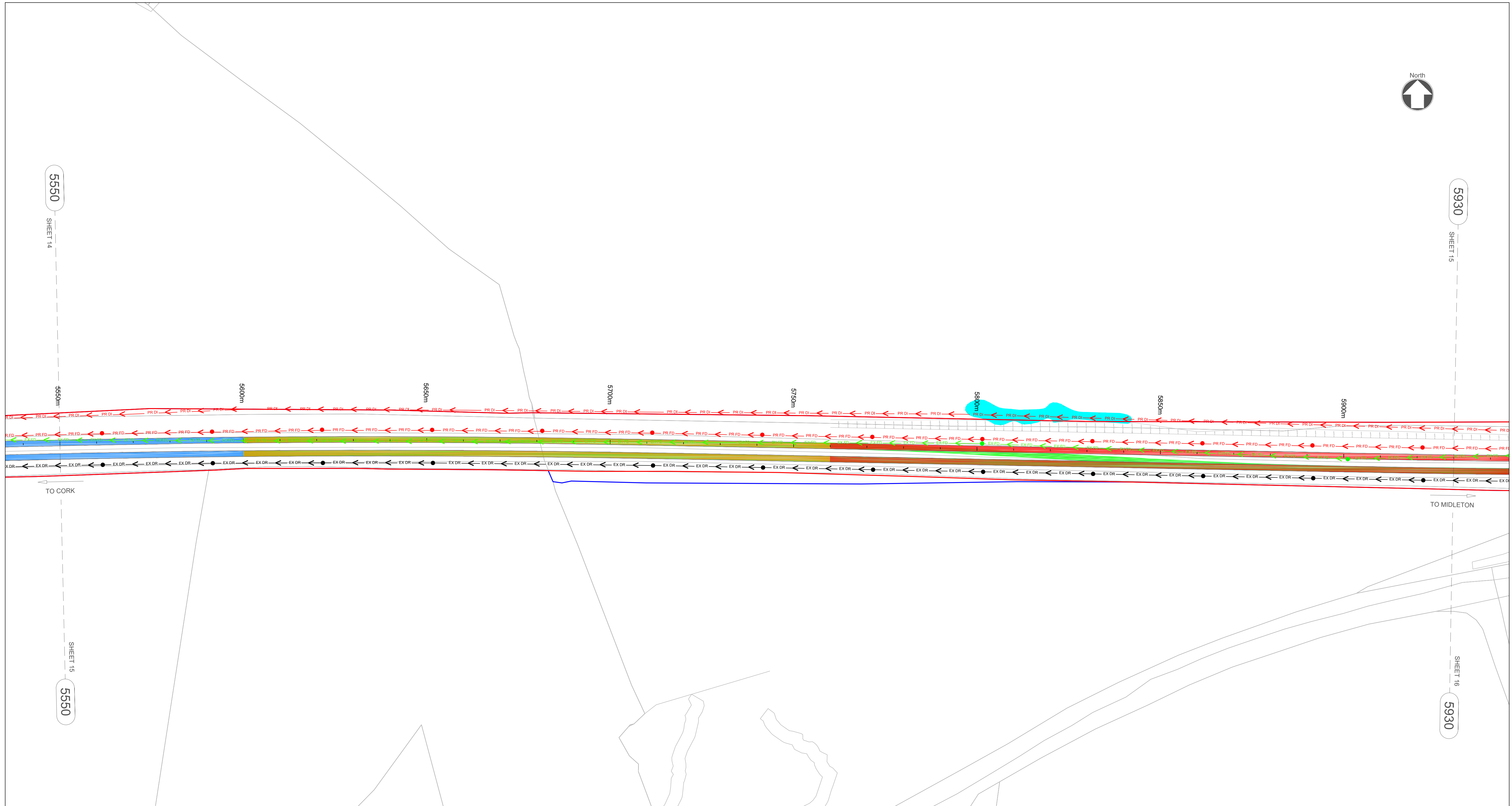
Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0014

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

Acceptance: S

Sheet 14 of 28

Rev P1



NOTES

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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	EX FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR DI	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
	EX DR	EXISTING MANHOLE TO BE RETAINED
	EX DR	EXISTING MANHOLE TO BE REMOVED
	PR DR	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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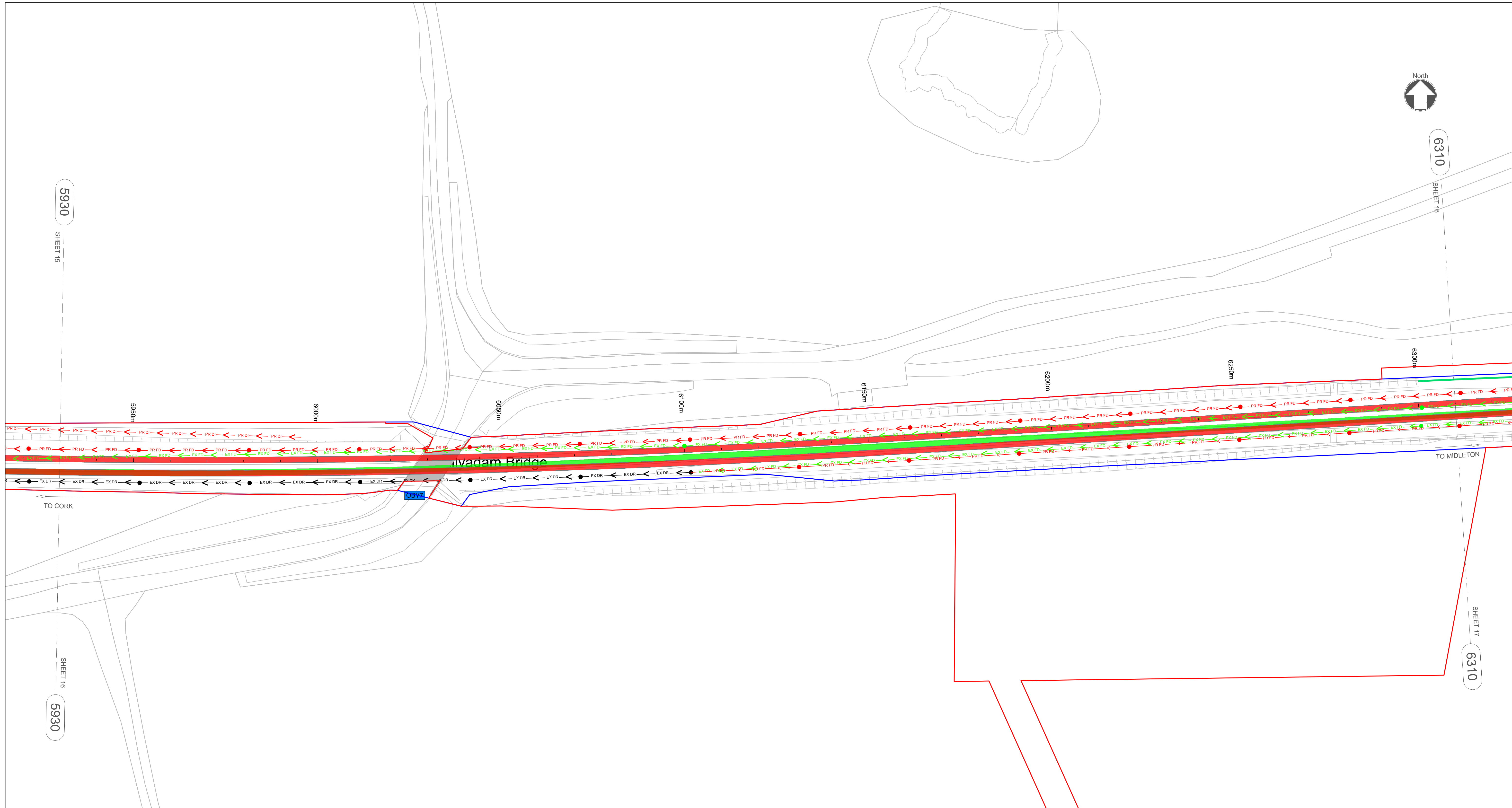
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH5550 TO CH5930

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0015
Sheet 15 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



NOTES

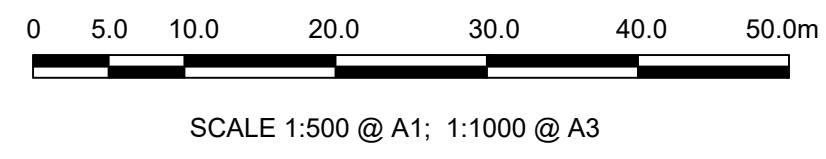
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	EXISTING FILTER DRAIN TO BE REMOVED
	PR DI	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
 CH5930 TO CH6310

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0016
 Sheet 16 of 28

Date	22/09/22	Designed	K. Stephens	Drawn	D.GALLAGHER	Dwg check	G.BERCOT	Eng check	N.SAMACHETTY
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBY XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBY XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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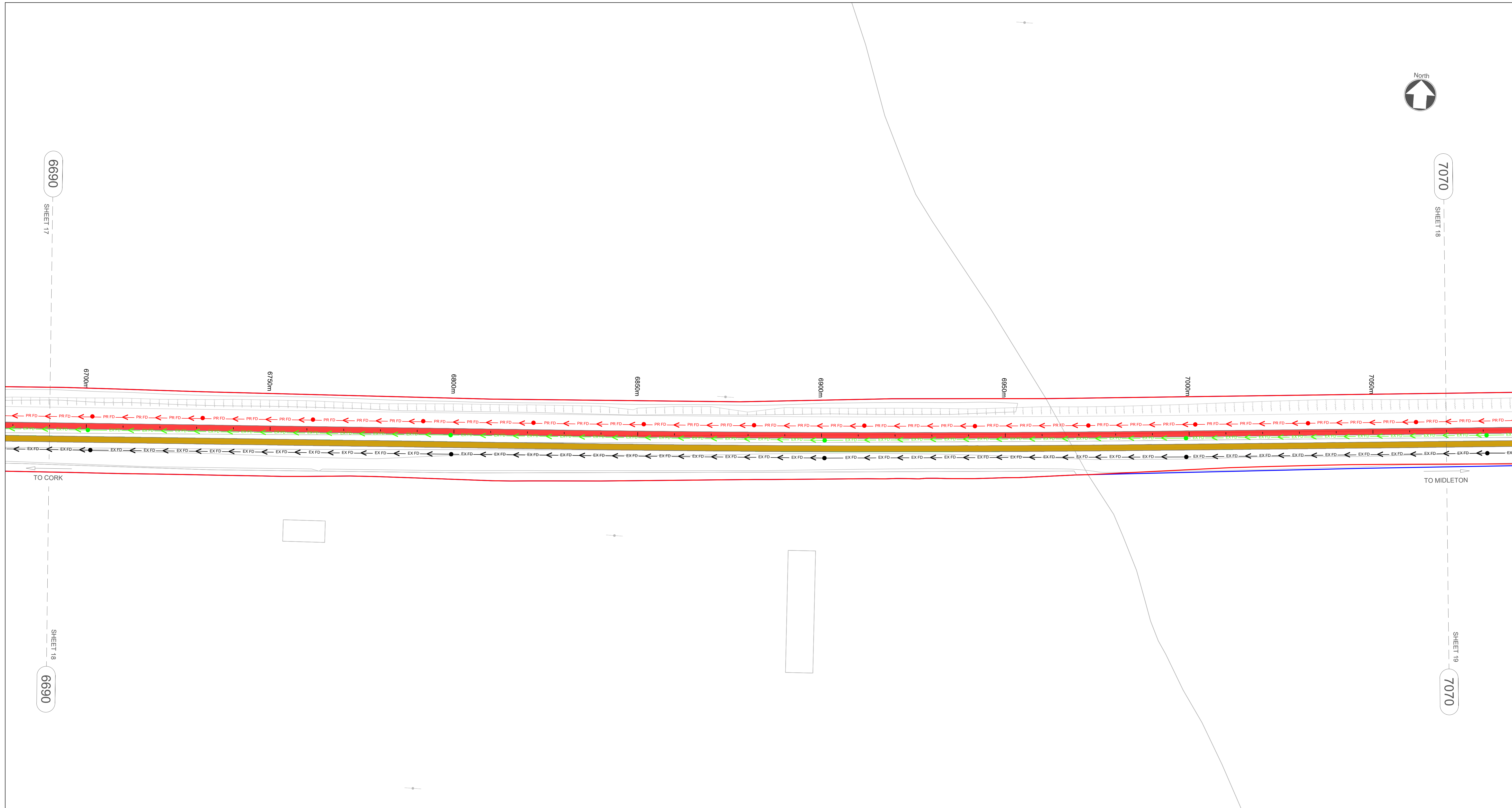
Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH6310 TO CH6690

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0017

Sheet 17 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance	S	Purpose	P1	Rev	P02
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	●	EXISTING MANHOLE TO BE RETAINED
	●	PROPOSED MANHOLE
	—	RUNNING LINES
	—	EXISTING TRACK SLUED OR MODIFIED SIDINGS
	—	PROPOSED TRACKWORK
	—	TRACKWORK TO BE REMOVED
	—	DEVELOPMENT BOUNDARY
	—	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: **PROPOSED TRACK DRAINAGE LAYOUT
CH6690 TO CH7070**

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0018

Sheet 18 of 28

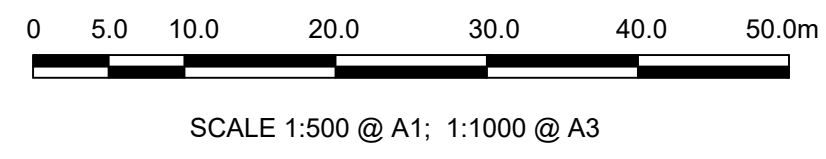
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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

Acceptance S

Purpose P1

Rev P02





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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	OBX XX	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	UBX XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: **PROPOSED TRACK DRAINAGE LAYOUT
 CH7070 TO CH7450**

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0019

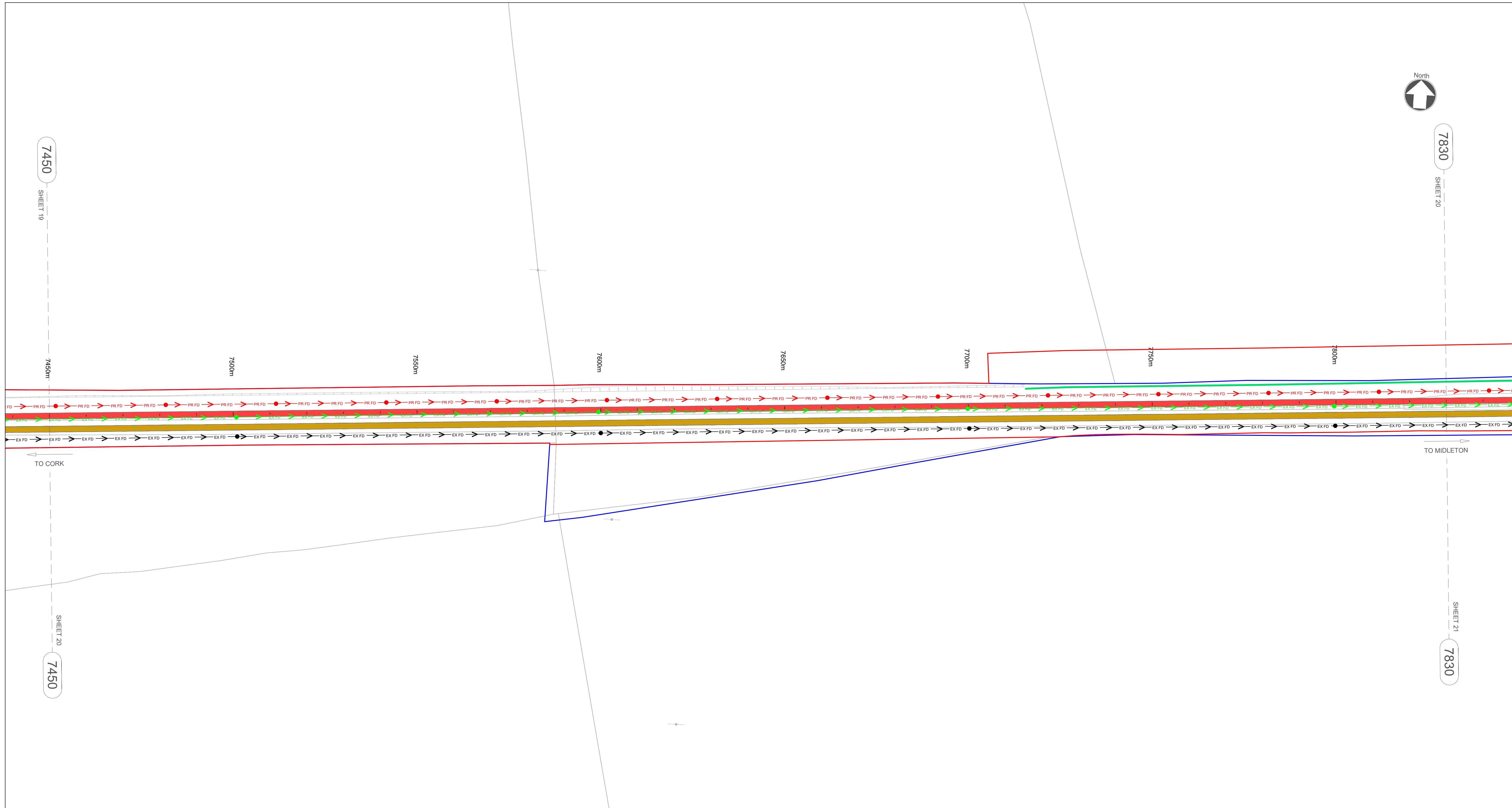
Scale @A1: 1:500
 Scale @A3: 1:1000

Acceptance: S

Sheet 19 of 28

Rev P1

Date: 22/09/22
 Designed: K. STEPHENS
 Drawn: D. GALLAGHER
 Dwg check: G. BERCOT
 Eng check: N. SAMACHETTY



7450
SHEET 19

7830
SHEET 20

SHEET 20
7450

SHEET 21
7830

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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH7450 TO CH7830

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0020

Sheet 20 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	ORV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UOV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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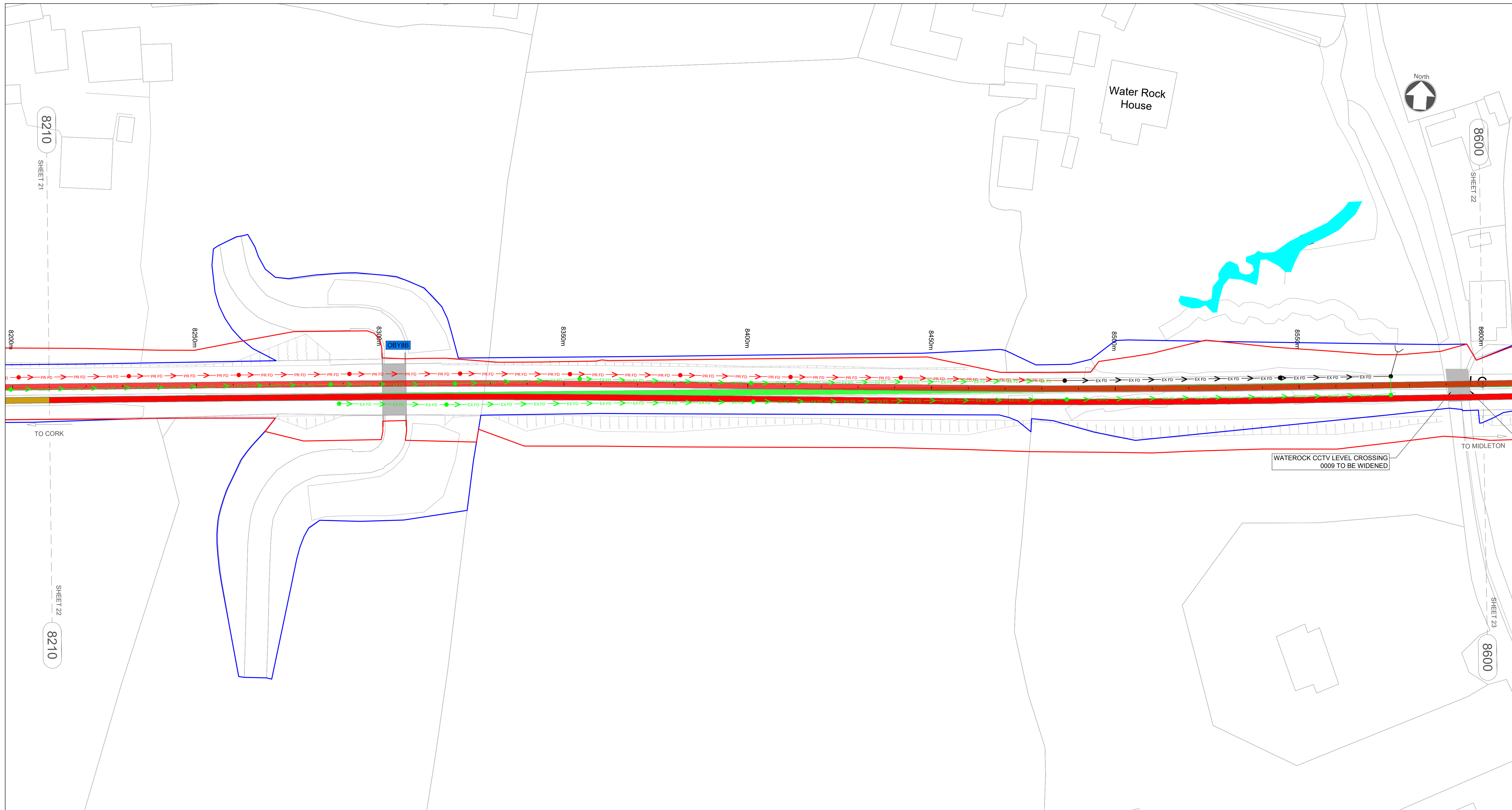
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH7830 TO CH8210

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0021
Sheet 21 of 28

Coordination	N.SAMACHETTY	Approved	J.MCINERNEY	Scale @A1:	1:500	Acceptance	S	Purpose	P1	Rev	P02
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NOTES

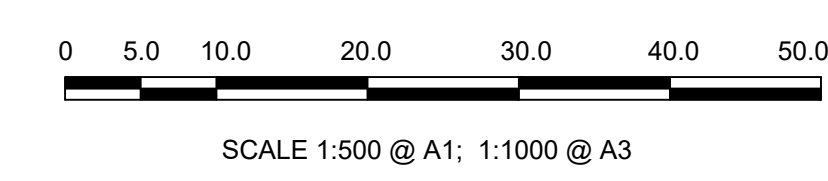
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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBX XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBX XX	UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
 CH8210 TO CH8600

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0022
 Sheet 22 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @ A1:	Scale @ A3: 1:500	Acceptance	S	Purpose	P1
Rev									P02



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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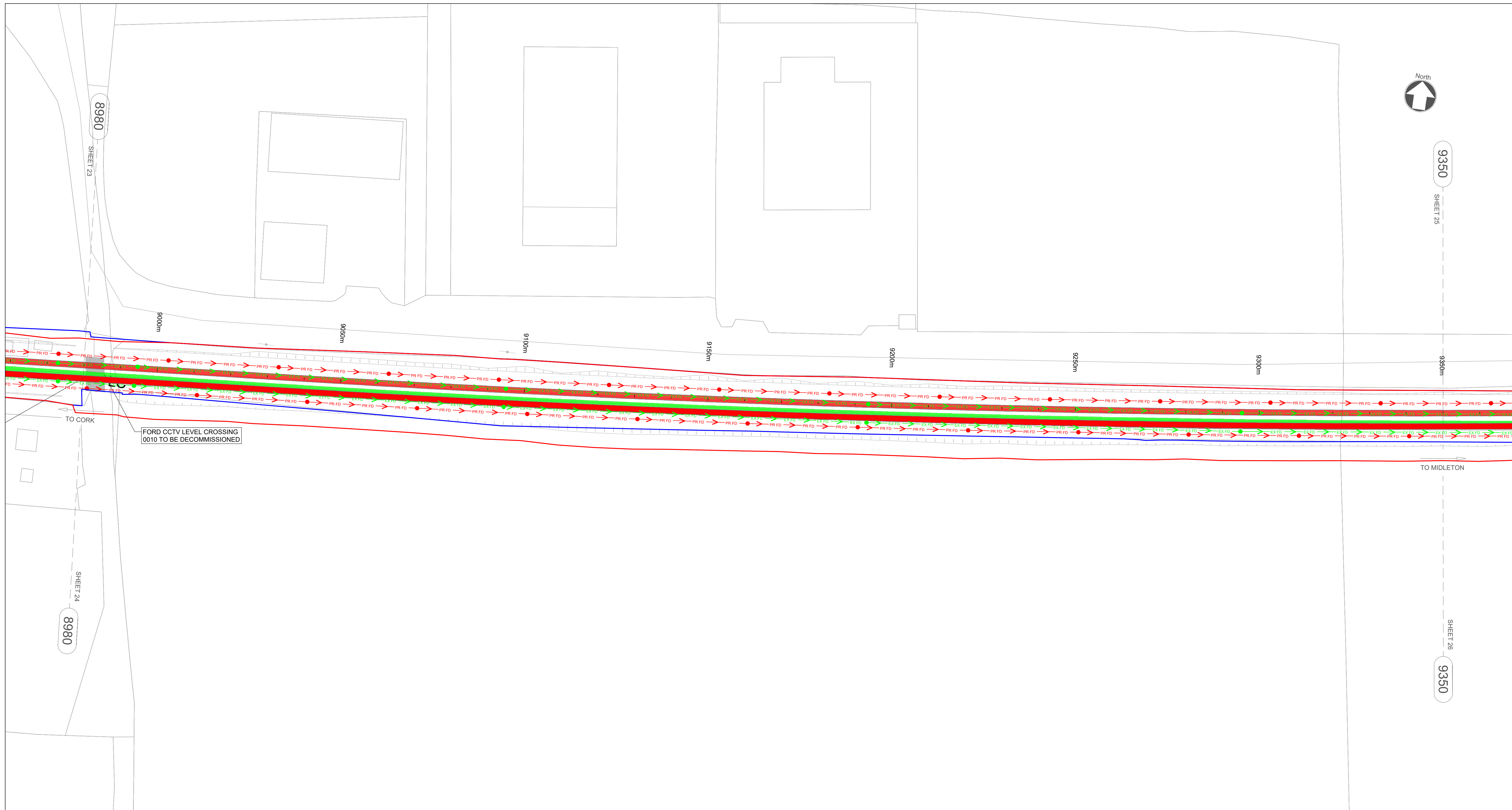
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH8600 TO CH8980

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0023
Sheet 23 of 28

Date: 22/09/22	Designed: K. Stephens	Drawn: D.GALLAGHER	Dwg check: G.BERCOT	Eng check: N.SAMACHETTY
Coordination: N.SAMACHETTY	Approved: J.MCINERNEY	Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance: S
Purpose: P1	Rev: P02			



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	EX DI	EXISTING DITCH TO BE REMOVED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		EXISTING MANHOLE TO BE REMOVED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

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

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

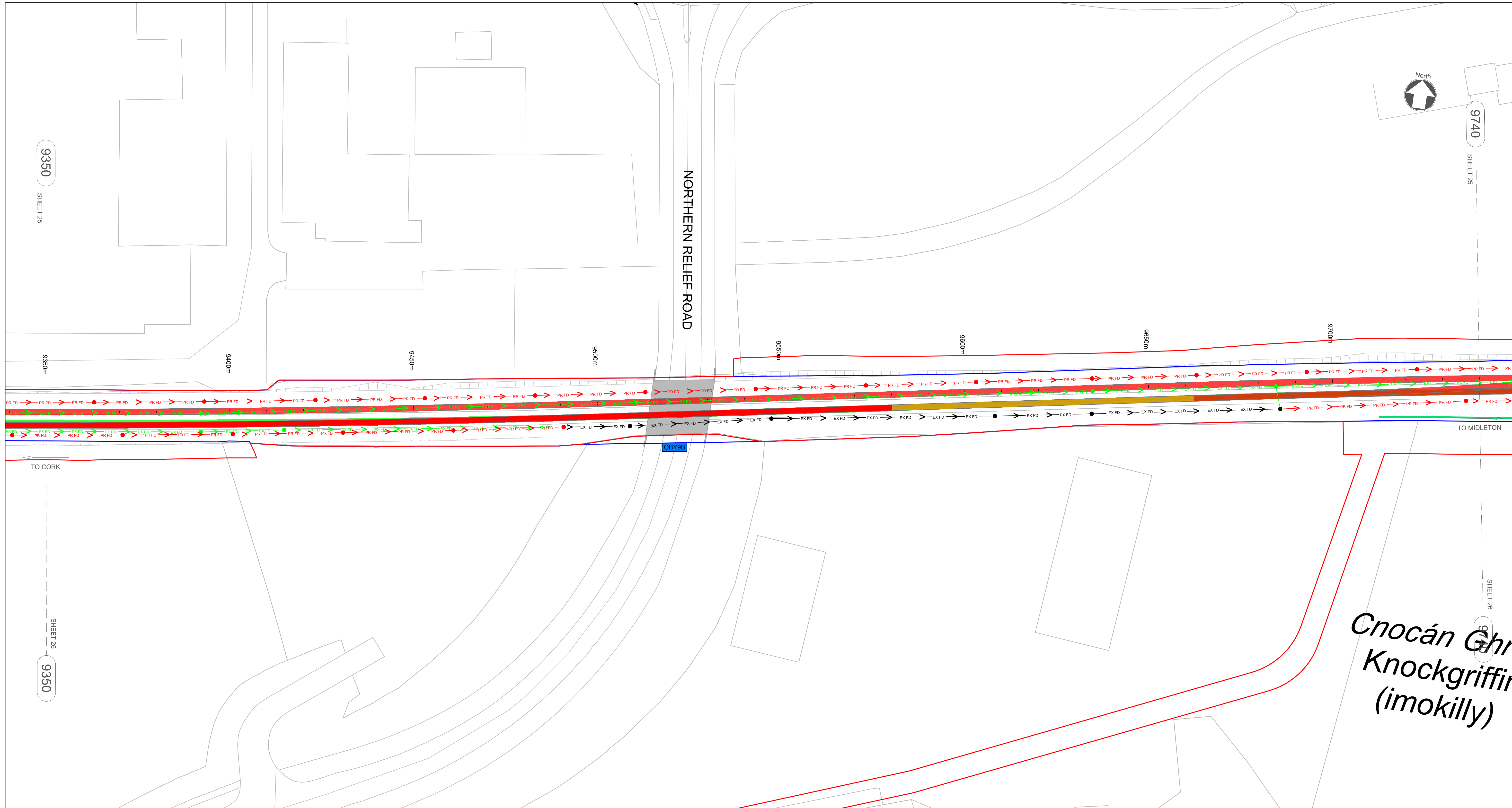
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH8980 TO CH9350

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0024

Sheet 24 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Acceptance	S	Purpose	P1
				Scale @A3:	1:1000			Rev	P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
Rev		Date		Drawn		Eng Check		Appr	

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH9350 TO CH9740

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0025

Sheet 25 of 28

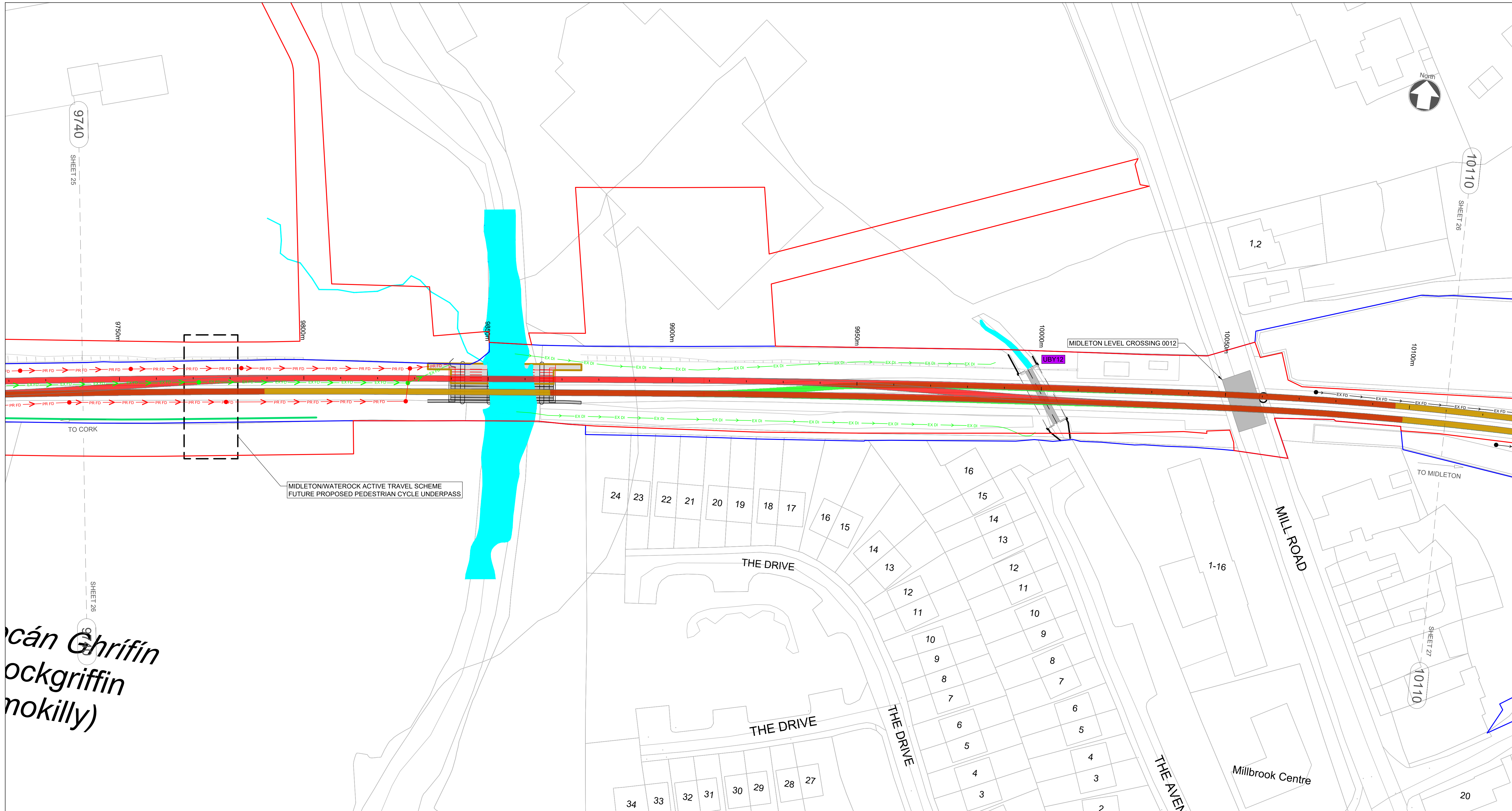
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Scale @A3: 1:1000

Acceptance S

Purpose P1

Rev P02





(Cian Ghrifín
 Rockgriffin
 Nokilly)

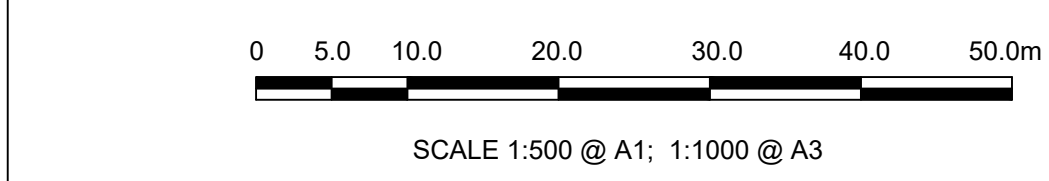
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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED



Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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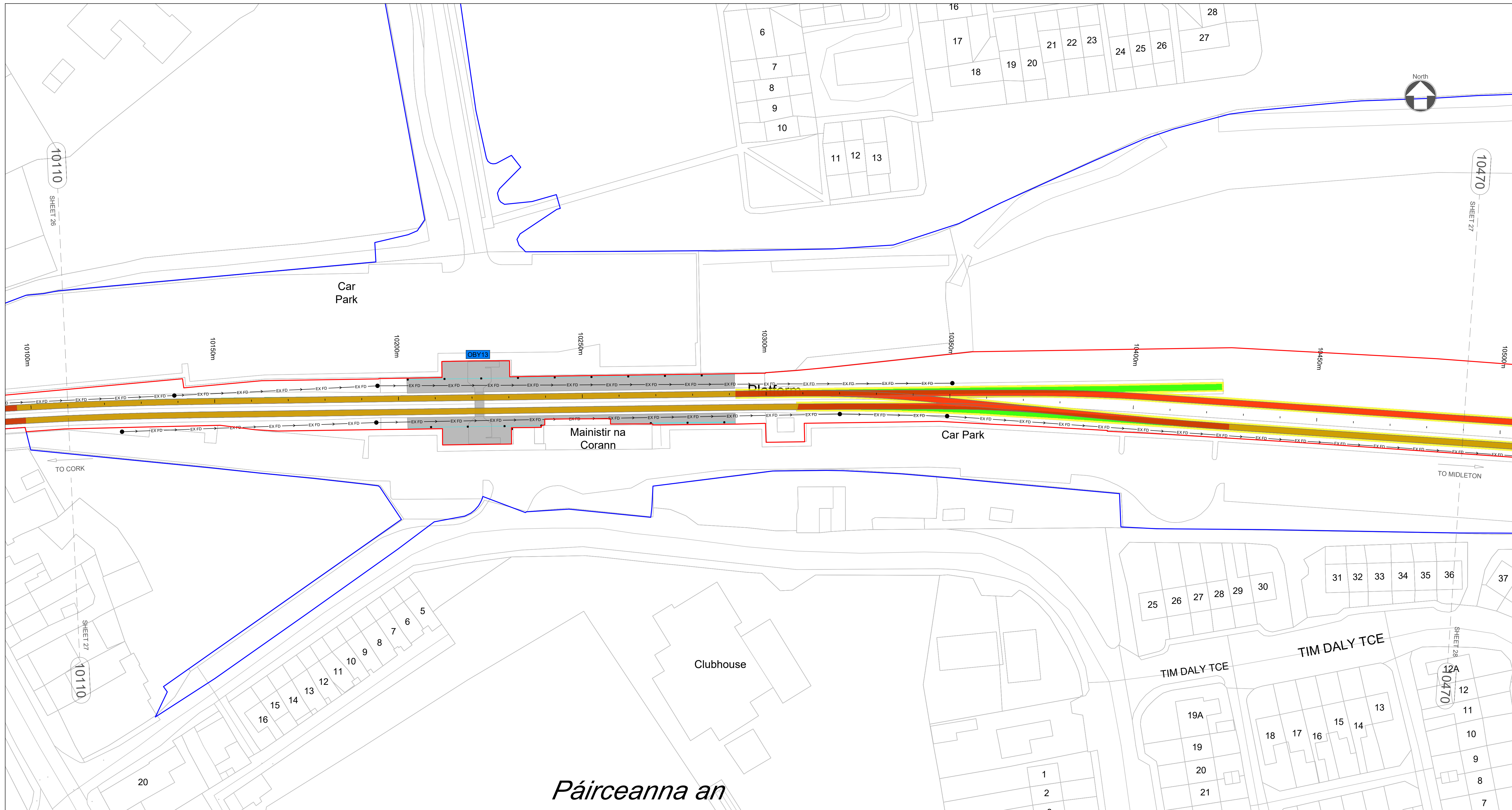
Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
 CH9740 TO CH10110

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0026
 Sheet 26 of 28

Date	Drawn	Eng Check	Appr	Description
P01 13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02 22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Scale	Acceptance	Purpose	Rev
Scale @A1: 1:500 Scale @A3: 1:1000	S	P1	P02



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
	EX MH	EXISTING MANHOLE TO BE RETAINED
	PR MH	PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBY XX	EXISTING OVERBRIDGE
	PR OBY	OVERBRIDGE TO BE DEMOLISHED
	UBY XX	EXISTING UNDERBRIDGE
	PR UBY	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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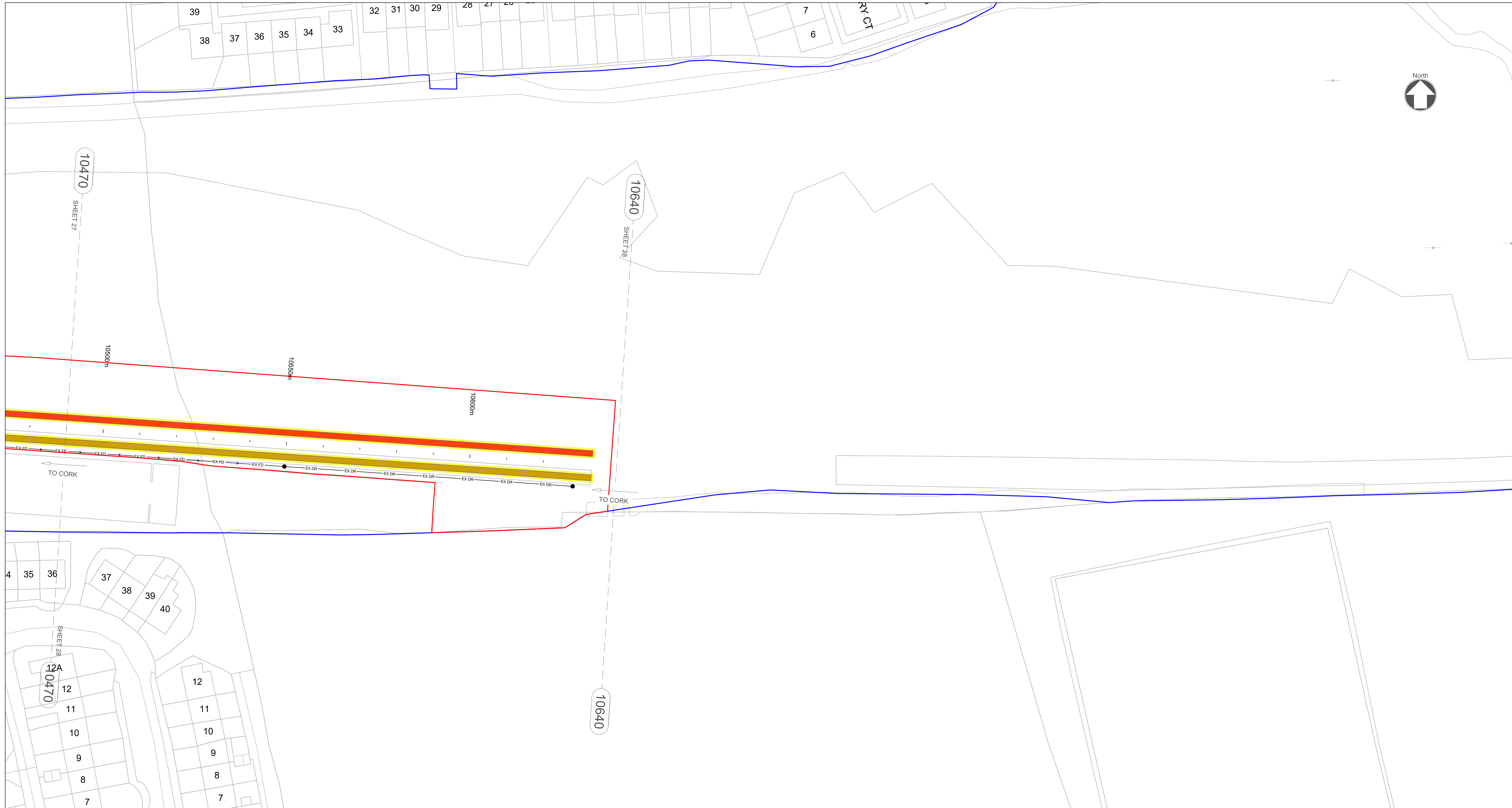
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH10110 TO CH10470

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0027
Sheet 27 of 28

Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOIT	Eng check	N. SAMACHETTY
Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1:	1:500	Scale @A3:	1:1000	Acceptance	S
Purpose	P1	Rev	P02						



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	PR FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	PR DI	PROPOSED DITCH
		EXISTING MANHOLE TO BE RETAINED
		PROPOSED MANHOLE
		RUNNING LINES
		EXISTING TRACK SLUED OR MODIFIED
		SIDINGS
		PROPOSED TRACKWORK
		TRACKWORK TO BE REMOVED
		DEVELOPMENT BOUNDARY
		CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OBV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UBV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Scale bar: 0 5.0 10.0 20.0 30.0 40.0 50.0m
SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
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P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH10470 TO CH10640

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0028
Sheet 28 of 28

Date: 22/09/22	Designed: K. Stephens	Drawn: D.GALLAGHER	Dwg check: G.BERCOT	Eng check: N.SAMACHETTY
Coordination: N.SAMACHETTY	Approved: J.MCINERNEY	Scale @A1: 1:500	Acceptance: S	Purpose: P1
		Scale @A3: 1:1000		Rev: P02