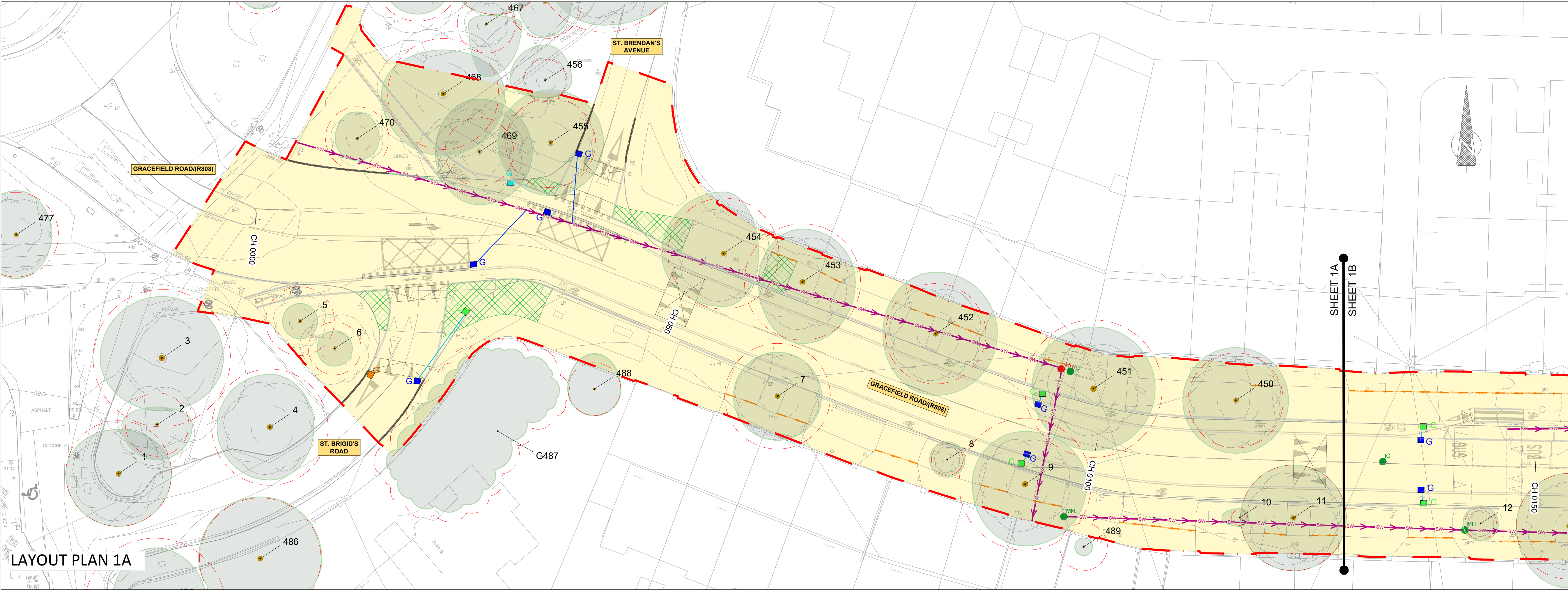
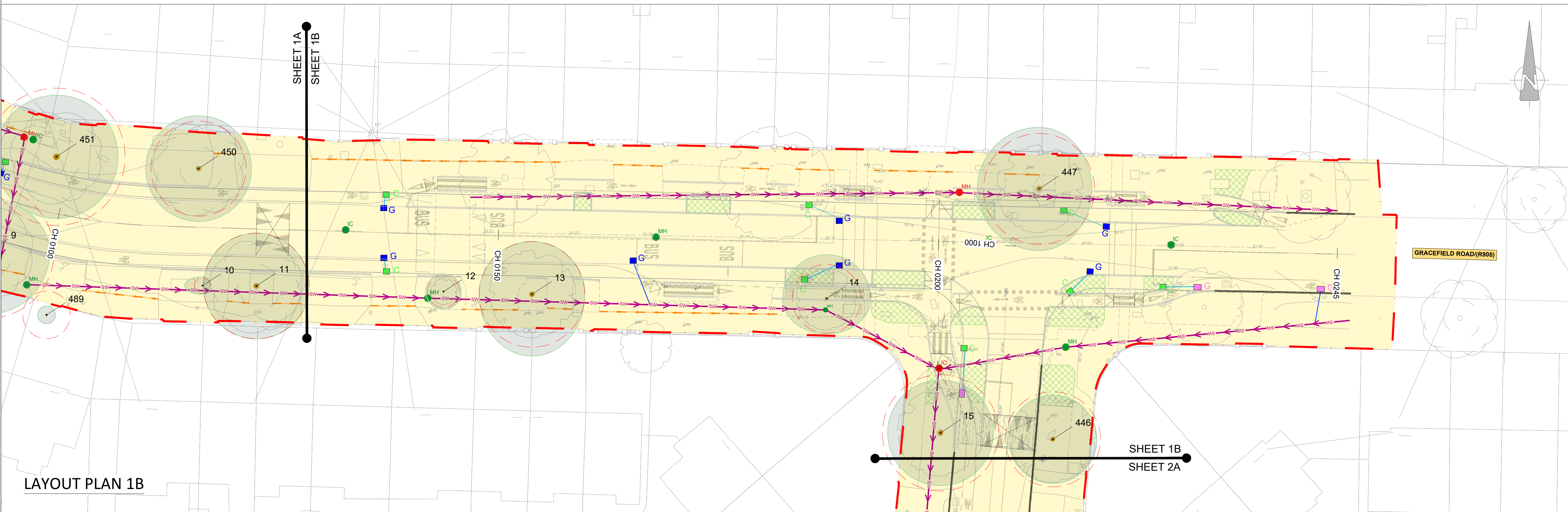




LAYOUT PLAN 1A



LAYOUT PLAN 1B

- NOTES :**
- A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.
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- LEGEND**
- LANDS MADE AVAILABLE BY THE EMPLOYER
- EXISTING GULLY TO BE RETAINED
- EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
- EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
- EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
- EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
- PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
- PROPOSED NEW GULLY.
- EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
- EXISTING MANHOLE/ICU TO BE MAINTAINED.
- PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
- PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
- PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
- EXISTING STORM PIPE (TAKEN FROM RECORDS)
- EXISTING KERBLINE
- PROPOSED KERBLINE
- EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
- TREE LEGEND:**
- TREE CANOPY
- ROOT PROTECTION AREA (RPA)
- TREE STEM
- PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

- NOTES:**
1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Elimination and Risk Reduction form. The above hazard risk comprises significant site-specific risks only, which may be difficult to manage, unusual or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

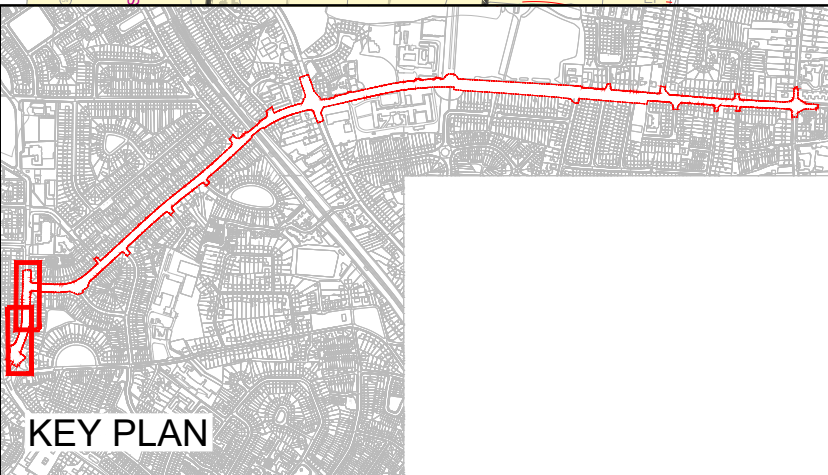


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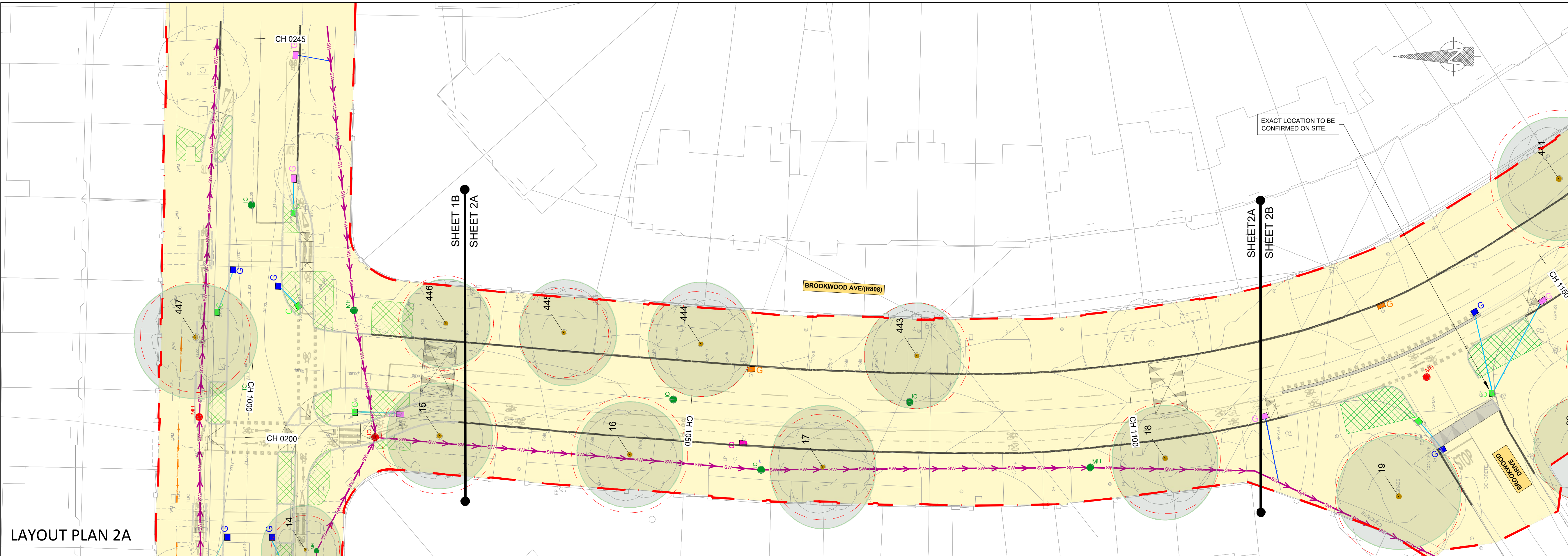
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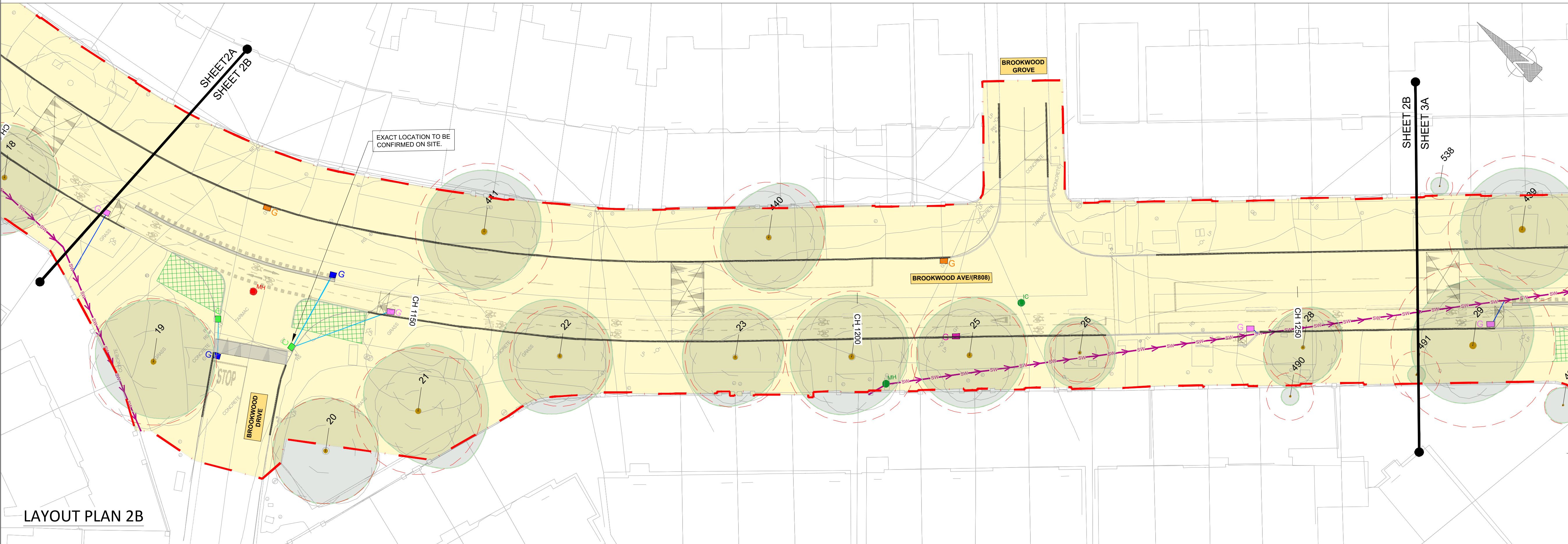


P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
Stage						
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

Project Title		COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE	
Drawing Title		DETAILED DESIGN DRAINAGE DESIGN	
Drawn : AC	Drawing No: DACT_2109b-JAC-DNG_RD-DR-0500-01.dwg	Sheet : 1 of 9	Status: S5
Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF			



LAYOUT PLAN 2A



LAYOUT PLAN 2B

- NOTES :
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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
 - EXISTING GULLY TO BE RETAINED
 - EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
 - PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
 - PROPOSED NEW GULLY.
 - EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
 - EXISTING MANHOLE/ICU TO BE MAINTAINED.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
 - PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
 - EXISTING STORM PIPE (TAKEN FROM RECORDS)
 - EXISTING KERBLINE
 - PROPOSED KERBLINE
 - EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM
 - PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

- NOTES:
1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazard/risk ratings comprise significant risk specific risks only, which may be difficult to manage, unusual or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

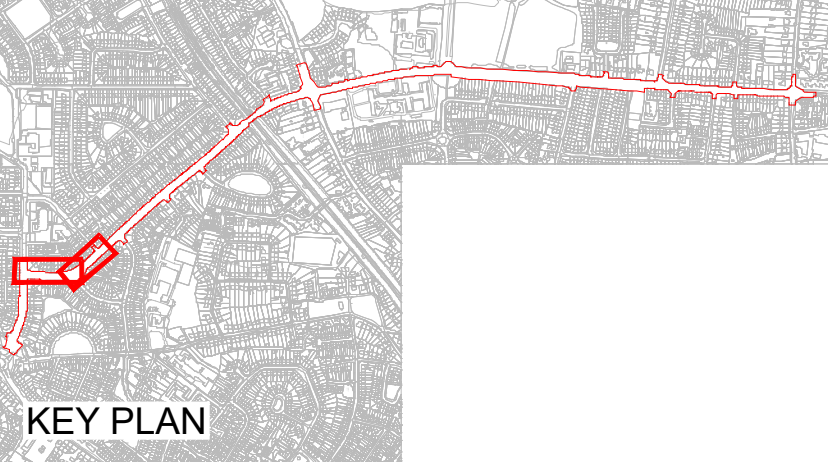


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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR



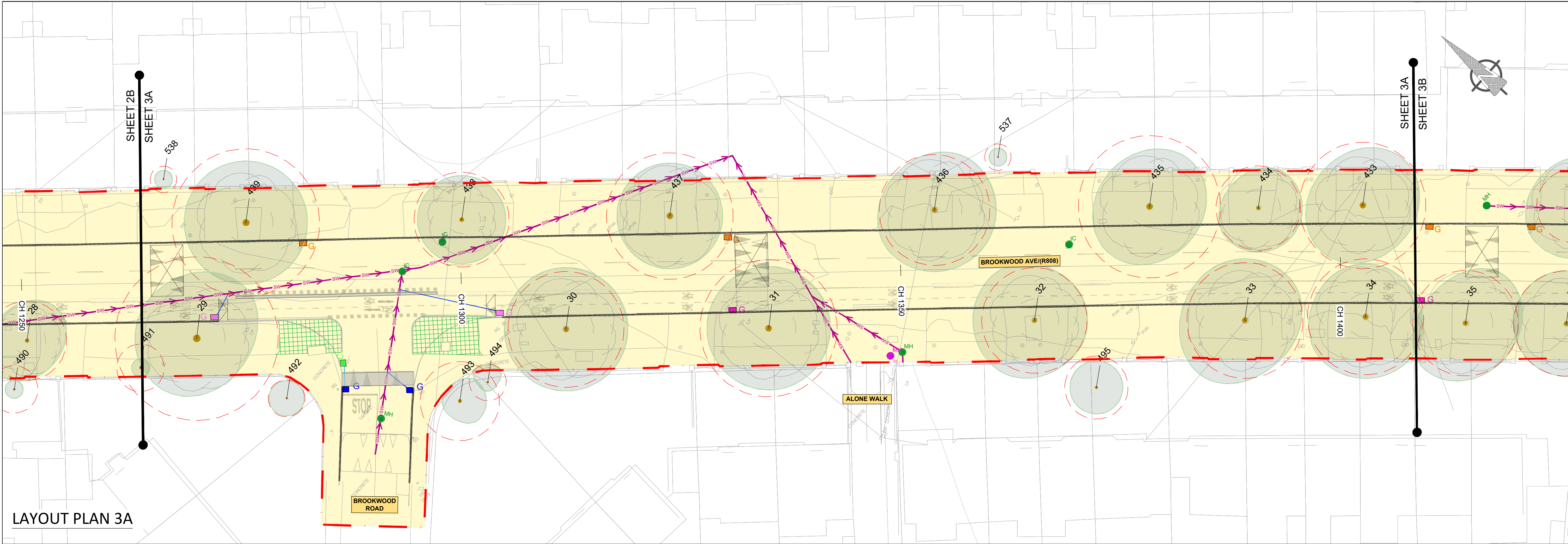
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

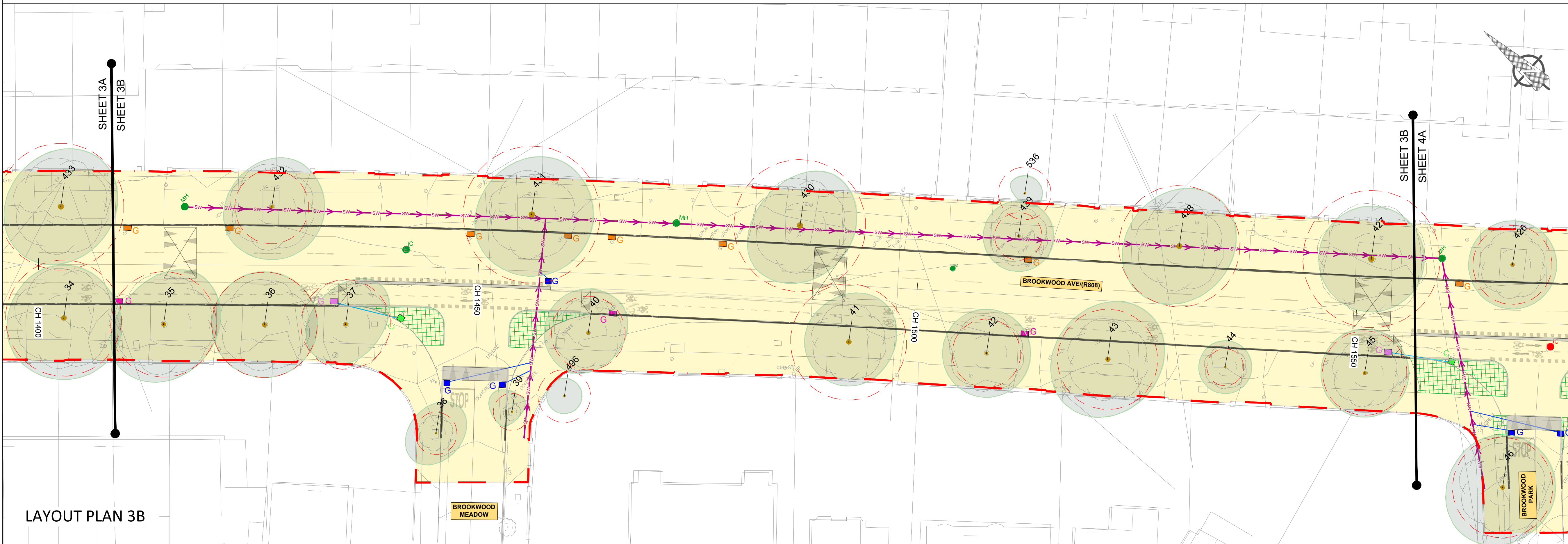
Project Title
**COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title
**DETAILED DESIGN
DRAINAGE DESIGN**

Drawn : AC	Drawing No: DACT_2100b-JAC-DWG_RD-DR-0500-02.dwg	Sheet : 2 of 9	Status: S5
Checked : VR	Job No: 210000b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF			



LAYOUT PLAN 3A



LAYOUT PLAN 3B

NOTES :

A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
 - EXISTING GULLY TO BE RETAINED
 - EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
 - PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
 - PROPOSED NEW GULLY.
 - EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
 - EXISTING MANHOLE/ICU TO BE MAINTAINED.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
 - PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
 - EXISTING STORM PIPE (TAKEN FROM RECORDS)
 - EXISTING KERBLINE
 - PROPOSED KERBLINE
 - EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM
 - PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

NOTES:

1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazard/risk contains significant site specific risks only, which may be difficult to manage, avoid or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

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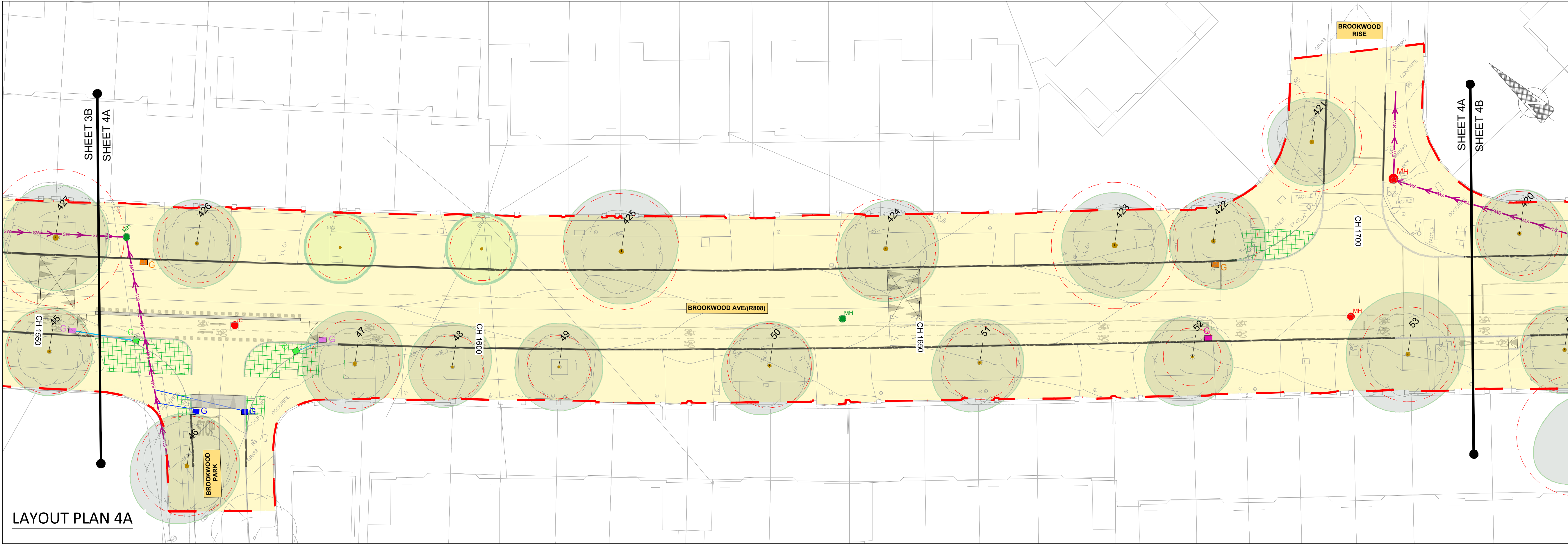
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ACTING PROGRAMME DIRECTOR

P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
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APPROVAL						
TENDER						
CONSTRUCTION						

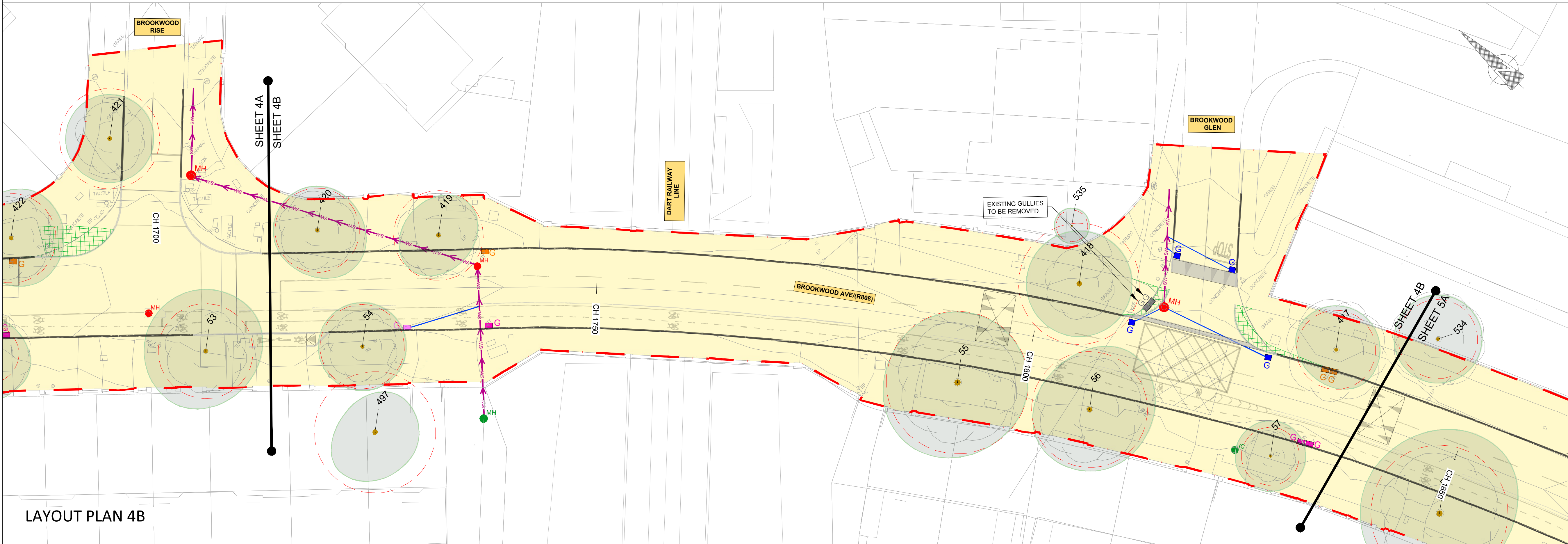
Project Title
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title
DETAILED DESIGN
DRAINAGE DESIGN

Drawn : AC	Drawing No: DACT_21009b-JAC-DNG_RD-DR-DR-0500-03.dwg	Sheet : 3 of 9	Status : S5
Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF			



LAYOUT PLAN 4A



LAYOUT PLAN 4B

- NOTES :
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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
- EXISTING GULLY TO BE RETAINED
- EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
- EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
- EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
- EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
- PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
- PROPOSED NEW GULLY.
- EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
- EXISTING MANHOLE/ICU TO BE MAINTAINED.
- PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
- PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
- PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
- EXISTING STORM PIPE (TAKEN FROM RECORDS)
- EXISTING KERBLINE
- PROPOSED KERBLINE
- EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
- TREE LEGEND:
TREE CANOPY
ROOT PROTECTION AREA (RPA)
TREE STEM
- PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

- NOTES:
1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazard/risk comprise significant risks specific to this project only, which may be difficult to manage, unusual or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

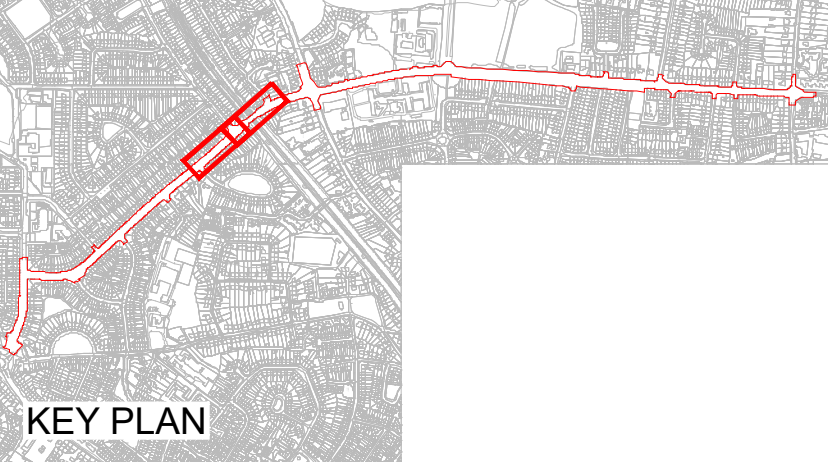


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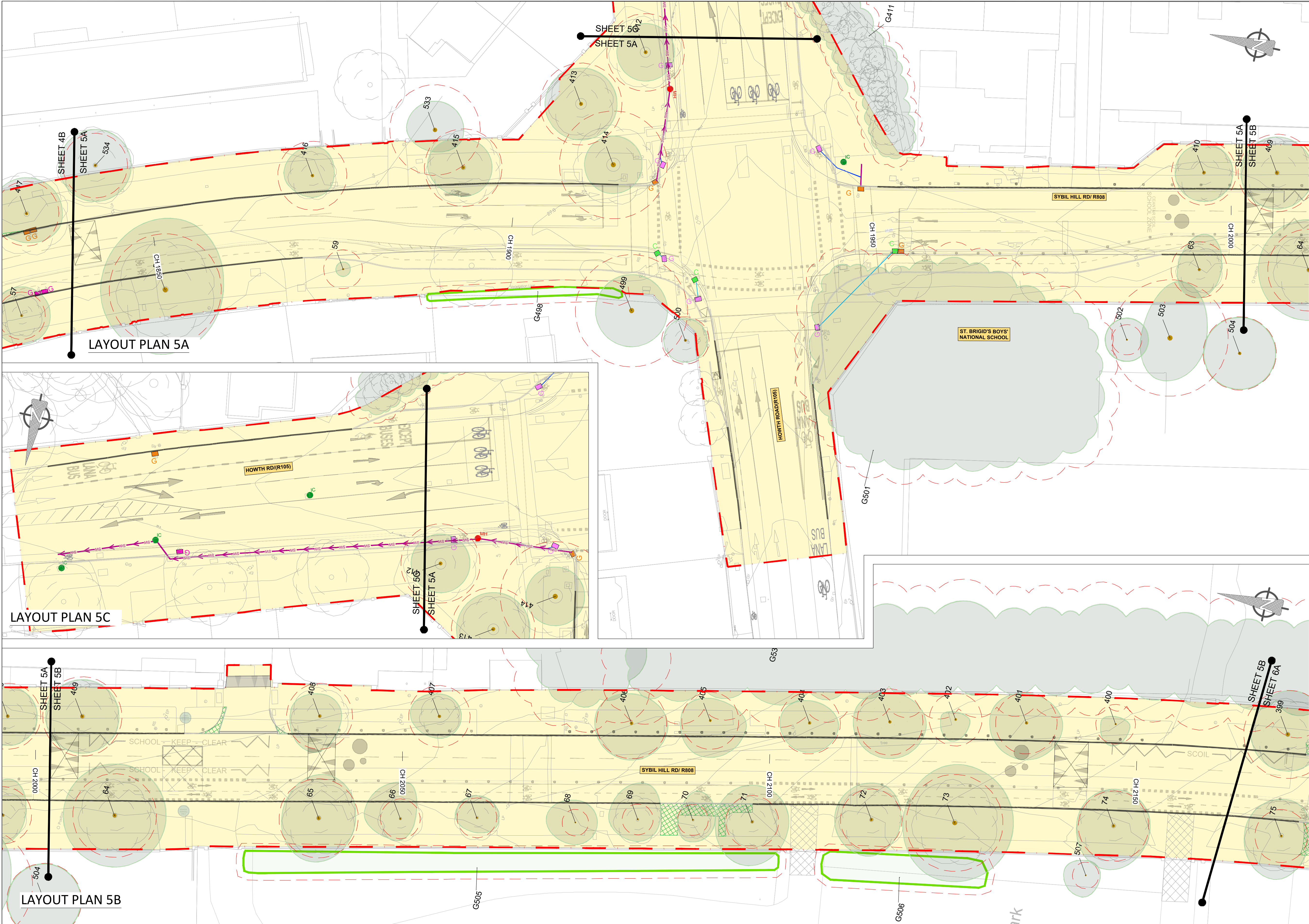
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ACTING PROGRAMME DIRECTOR



P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
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No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

Project Title	COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE		
Drawing Title	DETAILED DESIGN DRAINAGE DESIGN		
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Checked:	KS	Job No:	210000b
Reviewed:	DKar	Scale:	1:250 @ A1
Approved:	DK	Date:	2026-09-08
Sheet:	44 of 9	Status:	S5
Rev:	P02		



NOTES :

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LEGEND

LANDS MADE AVAILABLE BY THE EMPLOYER

EXISTING GULLY TO BE RETAINED

EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.

EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.

PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.

PROPOSED NEW GULLY.

EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.

EXISTING MANHOLE/ICU TO BE MAINTAINED.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.

PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.

EXISTING STORM PIPE (TAKEN FROM RECORDS)

EXISTING KERBLINE

PROPOSED KERBLINE

EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.

TREE LEGEND:

TREE CANOPY

ROOT PROTECTION AREA (RPA)

TREE STEM

PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

NOTES:

1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction form. The above hazard/risk control measures are specific to the project and are not definitive for all health & safety risks arising from the works.

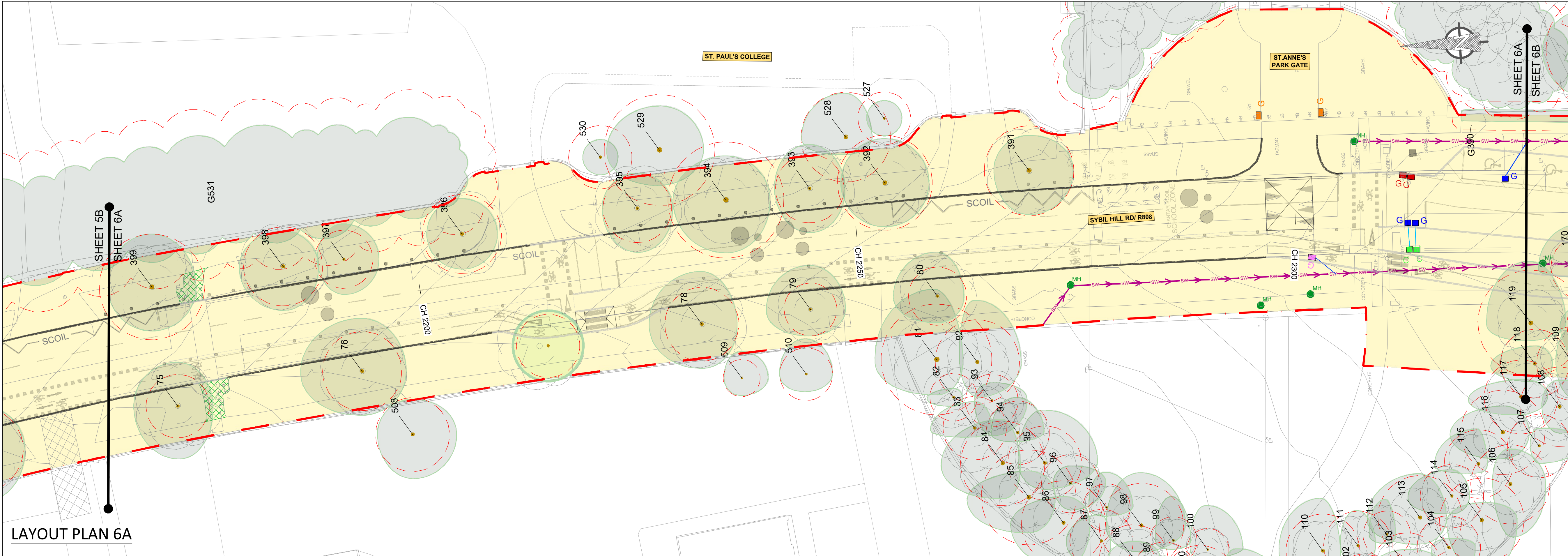
OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

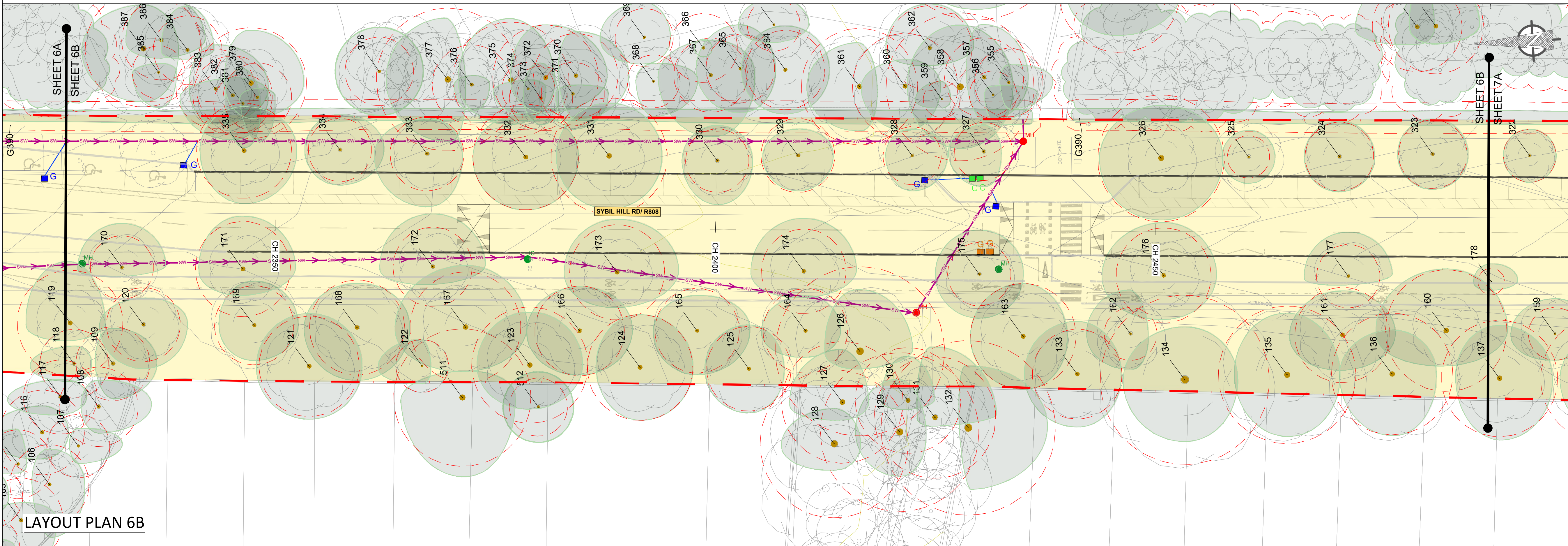
MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



LAYOUT PLAN 6A



LAYOUT PLAN 6B

- NOTES :
- A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.
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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
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 - EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
 - PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
 - PROPOSED NEW GULLY.
 - EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
 - EXISTING MANHOLE/ICU TO BE MAINTAINED.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
 - PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
 - EXISTING STORM PIPE (TAKEN FROM RECORDS)
 - EXISTING KERBLINE
 - PROPOSED KERBLINE
 - EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM
 - PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

- NOTES:
1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazard/risk controls are indicative only and are not intended to be a substitute for a contractor's own risk assessment and are not a definitive list of all health & safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



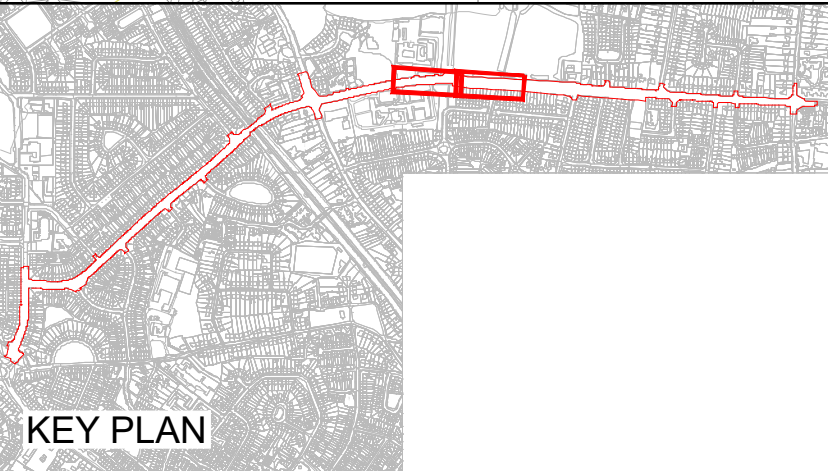
AN ROINN COMHSHAOIL AGUS IOIMPAIR.
ENVIRONMENT AND TRANSPORTATION DEPT.

Jacobs

AN OIFIG CLÁIR UM THAISTEAL GNÍOMHACH
The Active Travel Programme Office

CIVIC OFFICES WOOD QUAY, DUBLIN 8. EMAIL: activetravel@dcu.ie

CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR



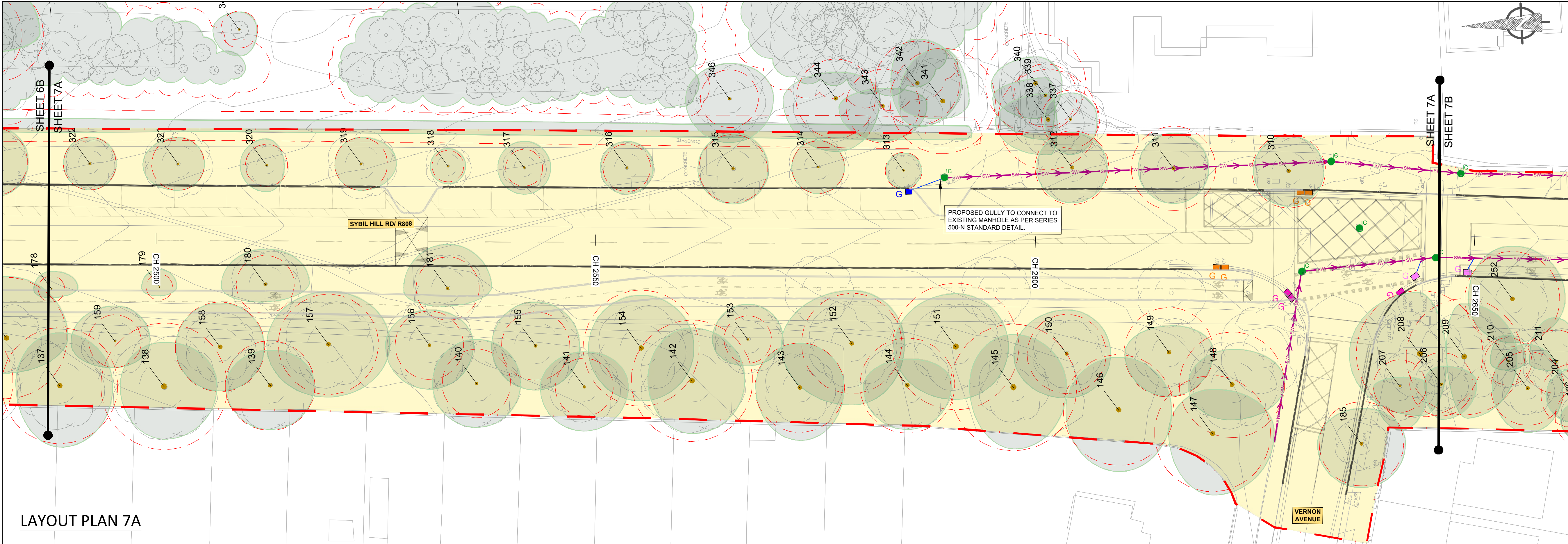
KEY PLAN

P01 Issued for Tender		2026-09-04	AC	LS	AG	KS
P02 Revised Tender Issue		2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY		Stage		Date	App'd	
APPROVAL						
TENDER						
CONSTRUCTION						

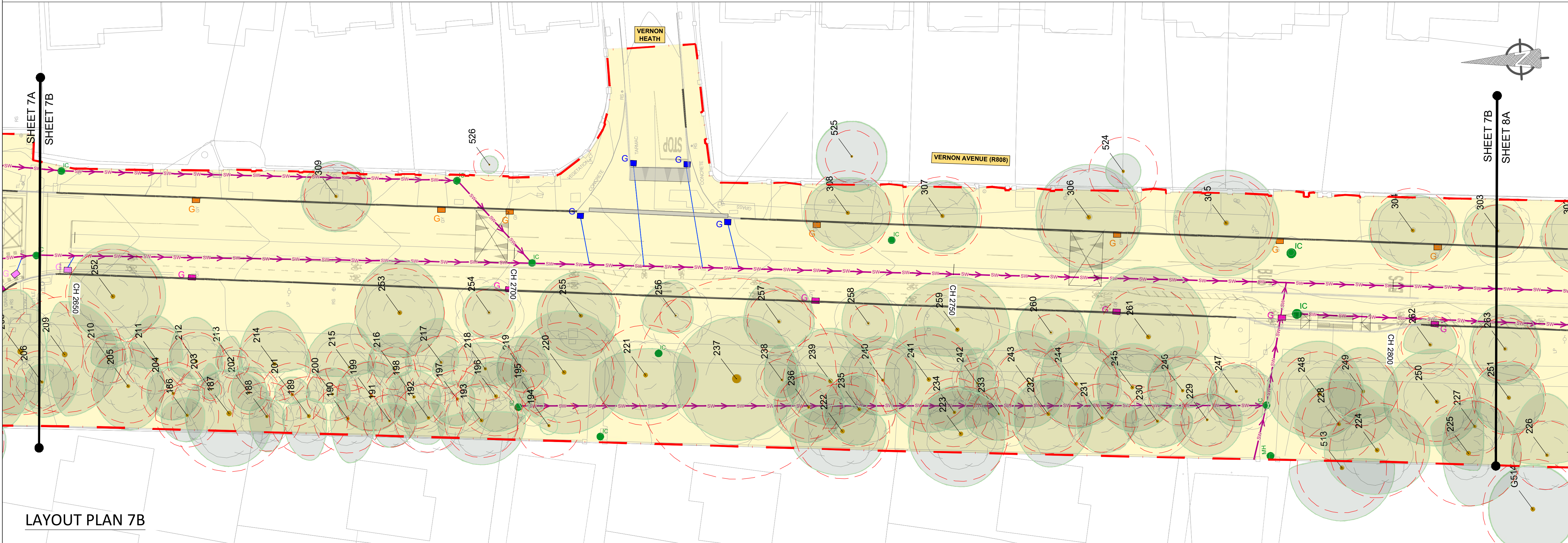
Project Title
**COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title
**DETAILED DESIGN
DRAINAGE DESIGN**

Drawn : AC	Drawing No: DACT_2109b-JAC-DNG_RD-DR-0500-06.dwg	Sheet : 6 of 9	Status : S5
Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF			



LAYOUT PLAN 7A



LAYOUT PLAN 7B

NOTES :

A

This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

B

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LEGEND

LANDS MADE AVAILABLE BY THE EMPLOYER

EXISTING GULLY TO BE RETAINED

EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.

EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.

PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.

PROPOSED NEW GULLY.

EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.

EXISTING MANHOLE/ICU TO BE MAINTAINED.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.

PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.

EXISTING STORM PIPE (TAKEN FROM RECORDS)

EXISTING KERBLINE

PROPOSED KERBLINE

EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.

TREE LEGEND:

TREE CANOPY

ROOT PROTECTION AREA (RPA)

TREE STEM

PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

NOTES:

1.

THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Make: This Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction form. The above hazards and controls are indicative only and are not to be taken as a substitute for a contractor's own risk assessment and are not definitive for all work. Safety shall be ensured from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

Maintenance / Cleaning

OPERATING/USE

DECOMMISSIONING/DEMOLITION

Project Ireland 2040

Building Ireland's Future

NTA

Údarás Náisiúnta Iompair

National Transport Authority

Comhairle Cathrach

Bhaile Átha Cliath

Dublin City Council

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ENVIRONMENT AND TRANSPORTATION DEPT.

An Oifig Cláir um Thaisteal Gníomhach

The Active Travel Programme Office

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CHRISTOPHER MANZIRA

ACTING PROGRAMME DIRECTOR

JACOBS

KEY PLAN

P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
PRELIMINARY						
APPROVAL						
TENDER						
CONSTRUCTION						

Project Title

COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME

SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title

DETAILED DESIGN

DRAINAGE DESIGN

Drawn : AC

Checked : VR

Reviewed : KS

Approved : MF

Drawing No: DACT_2100b-JAC-DWG_RD-DR-0500-07.dwg

Job No: 210009b

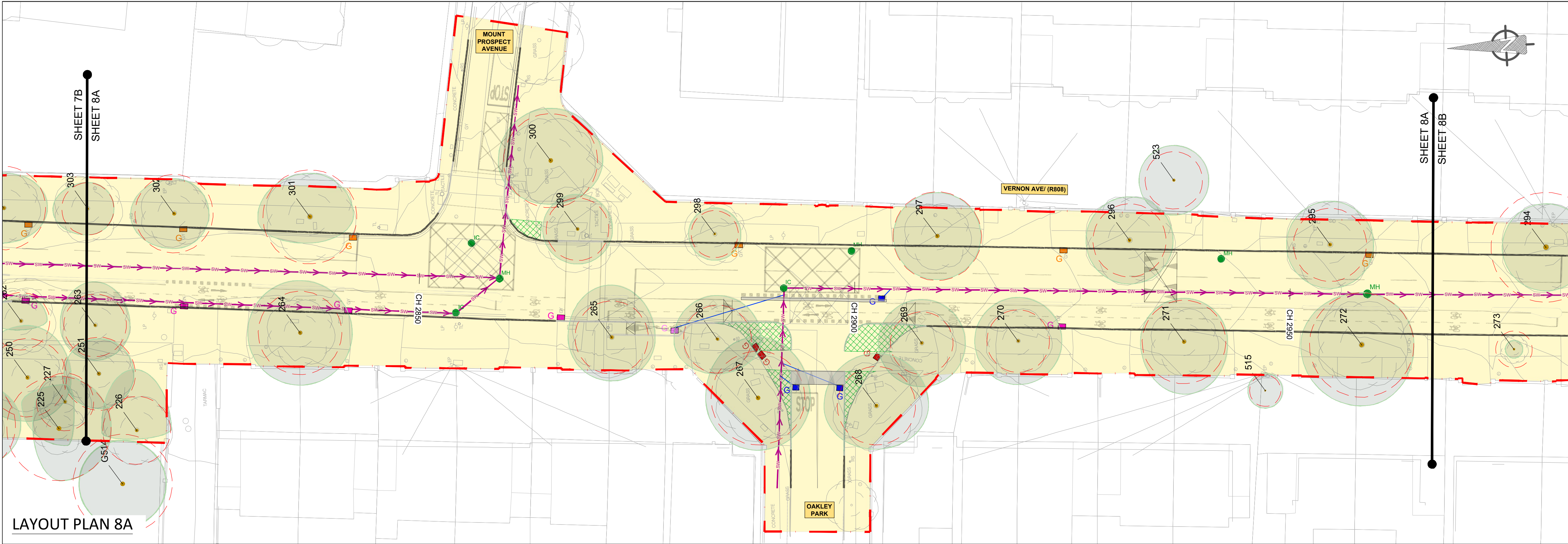
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Sheet: 7 of 9

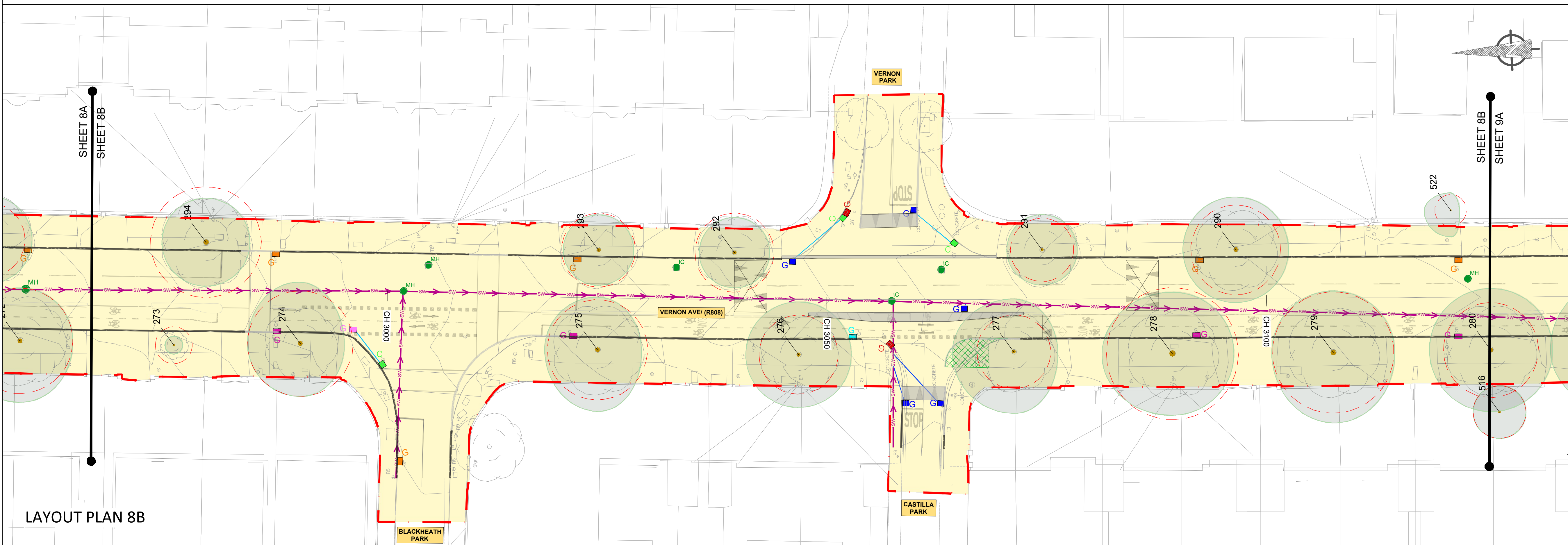
Date: 2026-09-08

Status: S5

Rev: P02



LAYOUT PLAN 8A



LAYOUT PLAN 8B

NOTES :

A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

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- LEGEND
- LANDS MADE AVAILABLE BY THE EMPLOYER
 - EXISTING GULLY TO BE RETAINED
 - EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.
 - EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.
 - PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.
 - PROPOSED NEW GULLY.
 - EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.
 - EXISTING MANHOLE/ICU TO BE MAINTAINED.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.
 - PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.
 - PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.
 - EXISTING STORM PIPE (TAKEN FROM RECORDS)
 - EXISTING KERBLINE
 - PROPOSED KERBLINE
 - EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.
 - TREE LEGEND:
 - TREE CANOPY
 - ROOT PROTECTION AREA (RPA)
 - TREE STEM
 - PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

NOTES:

1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction form. The above hazards and risks are indicative only and are not intended to be a substitute for a contractor's own assessment and are not a definitive list of all the risks.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

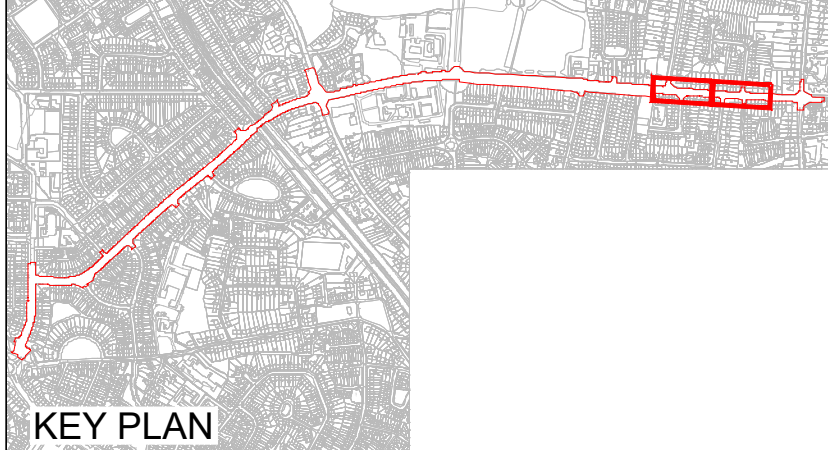


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CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR



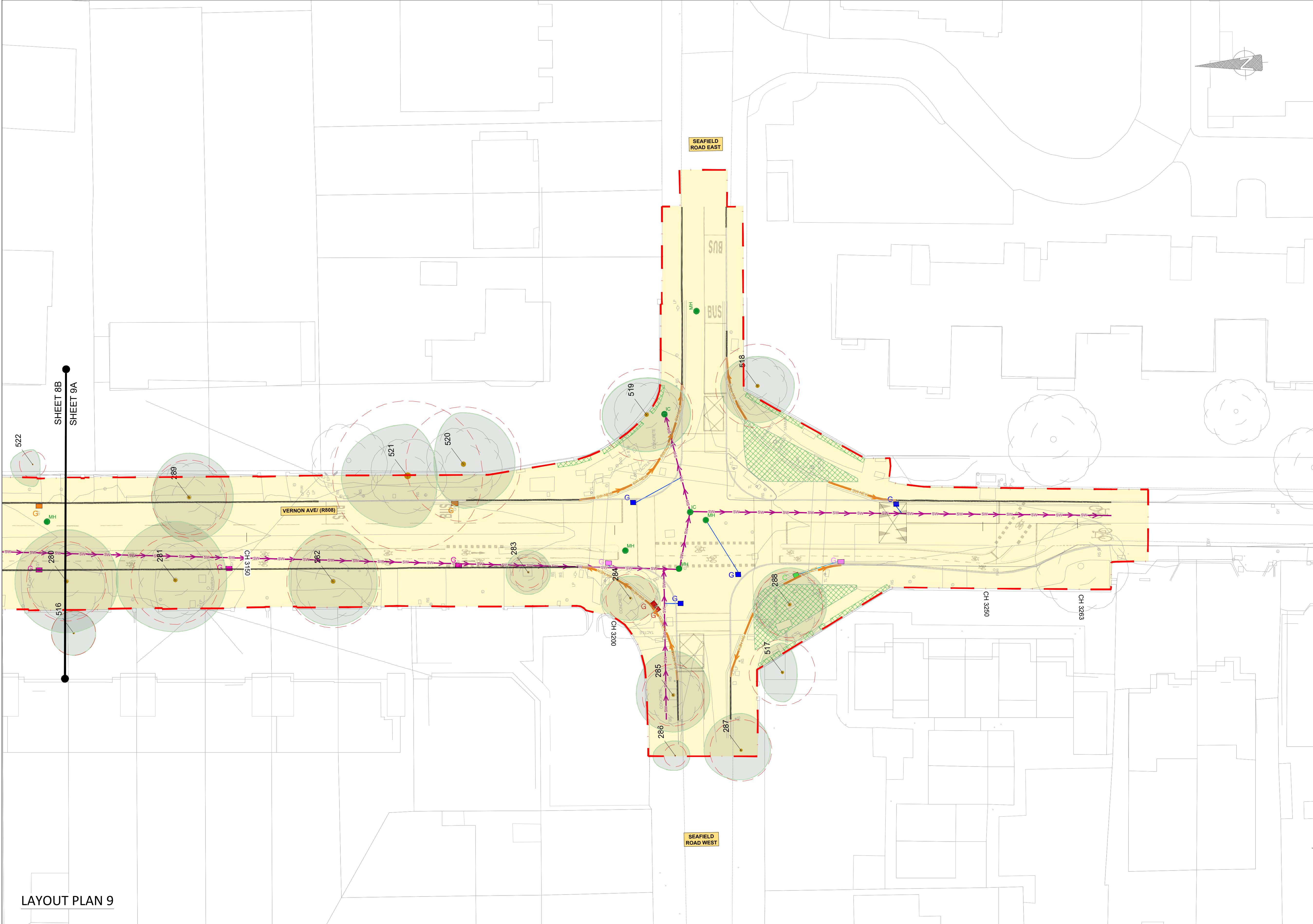
No.	Revision	Date	Dwn	Chk'd	Rev'd	App'd
P01	Issued for Tender	2026-09-04	AC	LS	AG	KS
P02	Revised Tender Issue	2026-09-08	AC	VR	KS	MF

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

Project Title
**COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE**

Drawing Title
**DETAILED DESIGN
DRAINAGE DESIGN**

Drawn : AC	Drawing No: DACT_21009b-JAC-DWG_RD-DR-0500-08.dwg	Sheet : 8 of 9	Status: S5
Checked : VR	Job No: 210009b	Date: 2026-09-08	Rev: P02
Reviewed : KS	Scale: 1:250 @ A1		
Approved: MF			



LAYOUT PLAN 9

NOTES :

A This Drawing is to be used for the design identified in the title box. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

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LEGEND

LANDS MADE AVAILABLE BY THE EMPLOYER

EXISTING GULLY TO BE RETAINED

EXISTING GULLY TO BE REPLACED WITH A CATCH PIT.

EXISTING GULLY TO BE RAISED OR LOWERED WITH PEDESTRIAN FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RETAINED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A STANDARD DETAILS.

EXISTING GULLY TO BE RAISED OR LOWERED WITH CYCLE FRIENDLY GRATING AS PER SERIES 500-A AND 500-E STANDARD DETAILS.

PROPOSED NEW GULLY WITH CYCLE FRIENDLY GRATING AND FRAME AS PER SPECIFICATION AND SERIES 500-A STANDARD DETAILS.

PROPOSED NEW GULLY.

EXISTING MANHOLE/ICU COVER AND FRAME TO BE REPLACED WITH NEW AND RAISED OR LOWERED TO MATCH PROPOSED SURFACE LEVELS AS PER 500-E STANDARD DETAIL.

EXISTING MANHOLE/ICU TO BE MAINTAINED.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO PROPOSED CATCH PIT AS PER 500-D STANDARD DETAIL.

PROPOSED GULLY CONNECTION (150mm DIAM. UNLESS STATED OTHERWISE) TO CONNECT TO EXISTING SURFACE WATER NETWORK AS PER 500-M STANDARD DETAIL.

PROPOSED PRECAST / IN-SITU CONCRETE DISHED CHANNEL AS PER SERIES 500-B STANDARD DETAIL.

EXISTING STORM PIPE (TAKEN FROM RECORDS)

EXISTING KERBLINE

PROPOSED KERBLINE

EXISTING TREE AND ROOT PROTECTION AREA. ALL TREES AND ROOT STRUCTURES TO BE PROTECTED IN PLACE. CONTRACTOR TO SEE ARBORIST REPORT GUIDANCE.

TREE LEGEND:

TREE CANOPY

ROOT PROTECTION AREA (RPA)

TREE STEM

PROPOSED LANDSCAPING. REFER TO LANDSCAPING DRAWING SERIES

NOTES:

1. THIS DRAWING SERIES MUST BE READ IN CONJUNCTION WITH THE STANDARD DETAILS VOLUME, SERIES 500.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Note: The Health and Safety information shown on these drawings shall be read in conjunction with the Hazard Identification and Risk Reduction Form. The above hazards/risks comprise significant risks specific to this project only, which may be difficult to manage, unusual or not likely to be obvious to a contractor/operator/maintainer and is not a definitive list of all Health & Safety risks arising from the works.

OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION