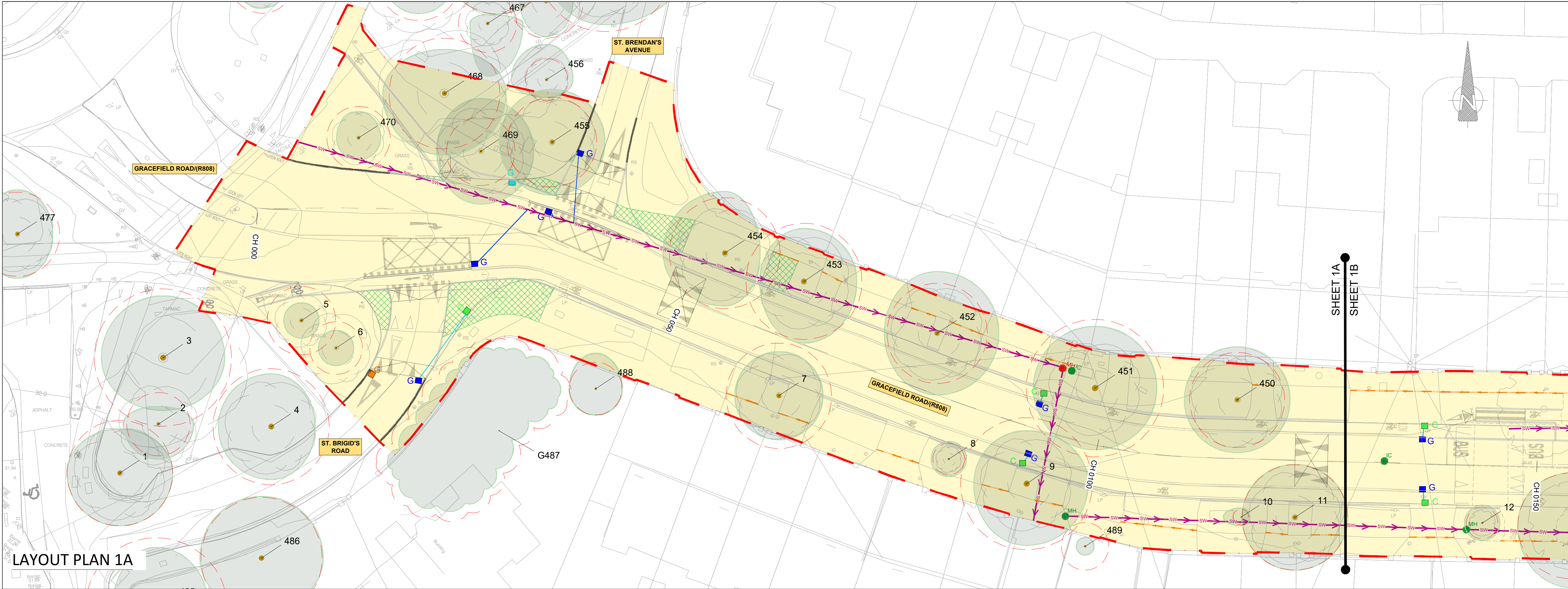
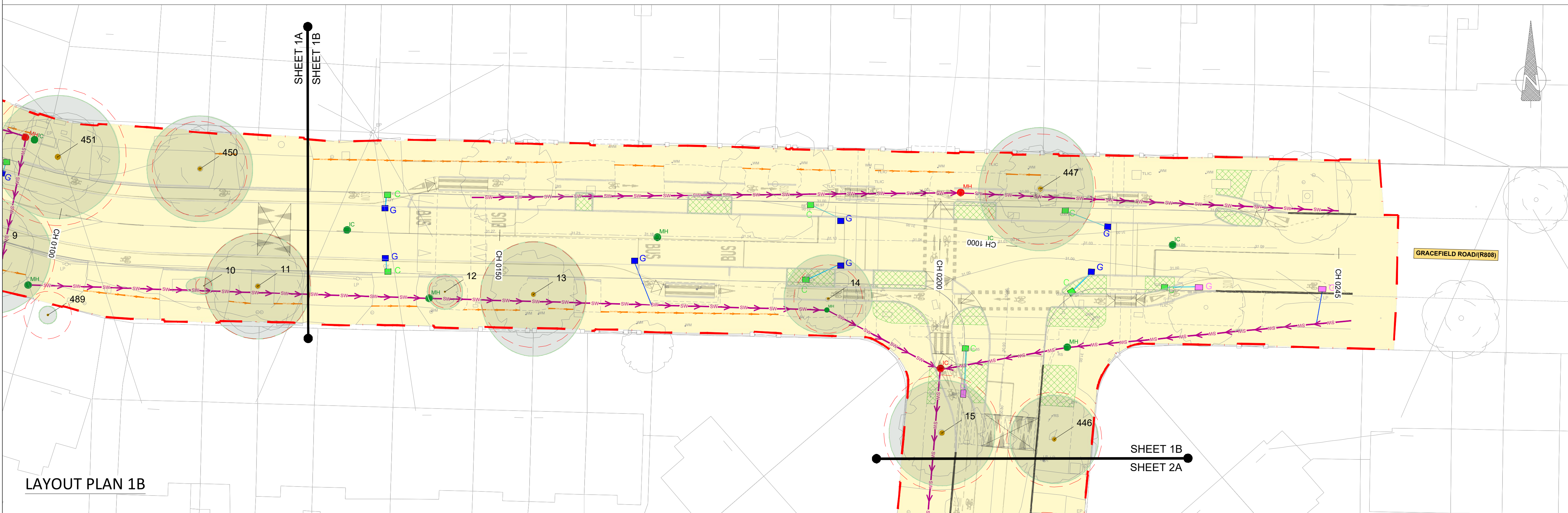




LAYOUT PLAN 1A



LAYOUT PLAN 1B

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 assessment is specific to the project and is not a substitute for all Health and Safety risk arising from the works.

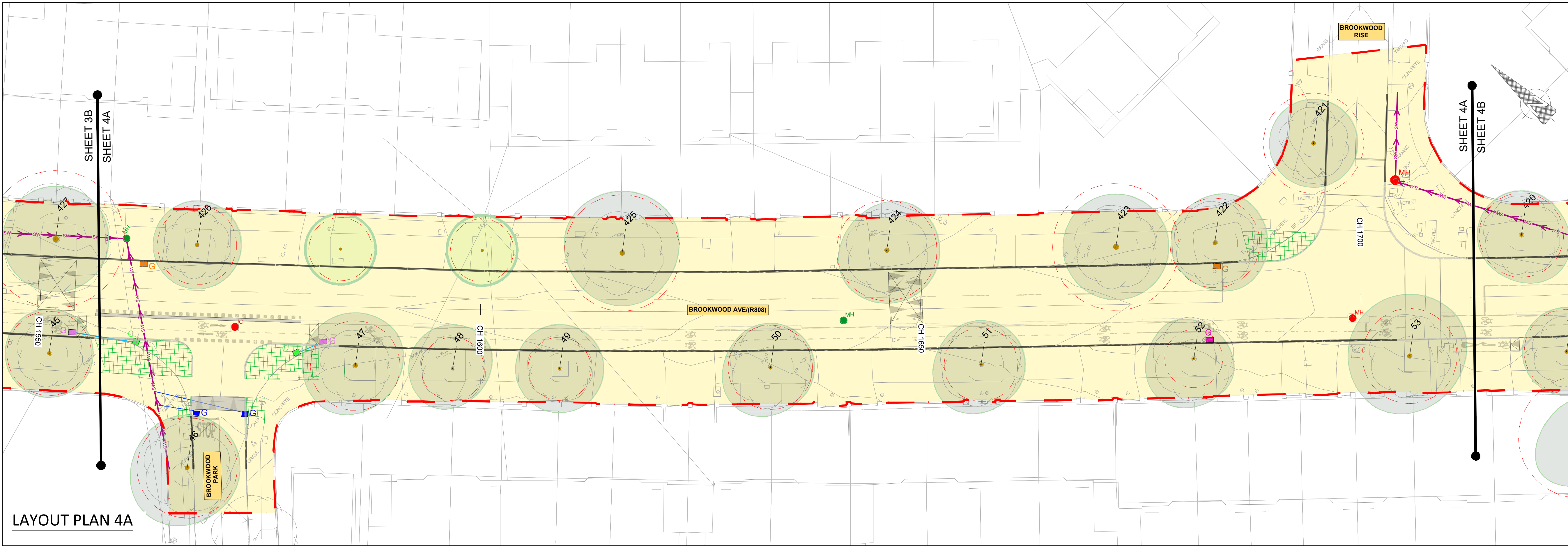
OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

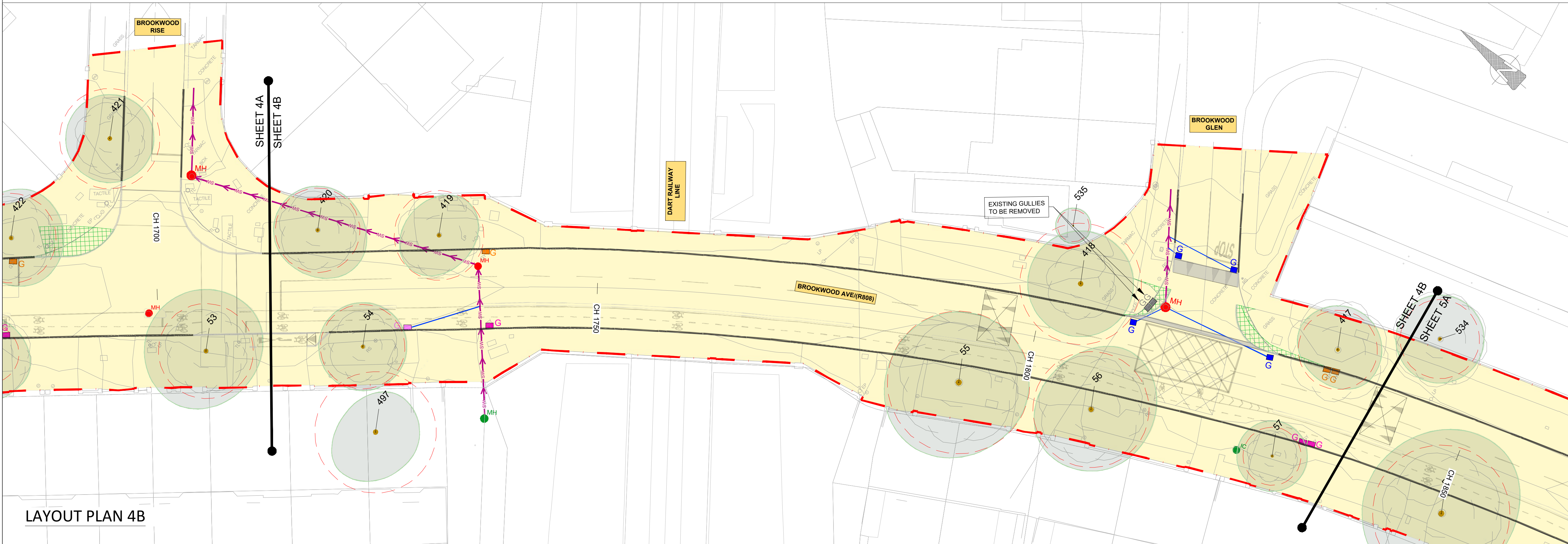
MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



LAYOUT PLAN 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

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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

AN ROINN COMHSHAOIL AGUS IOMPAIR.
ENVIRONMENT AND TRANSPORTATION DEPT.

An Oifig Cláir um Thaisteal Gníomhach
The Active Travel Programme Office

CIVIC OFFICES WOOD QUAY, DUBLIN 8. EMAIL: activetraveloffice@dublincity.ie

CHRISTOPHER MANZIRA
ACTING PROGRAMME DIRECTOR

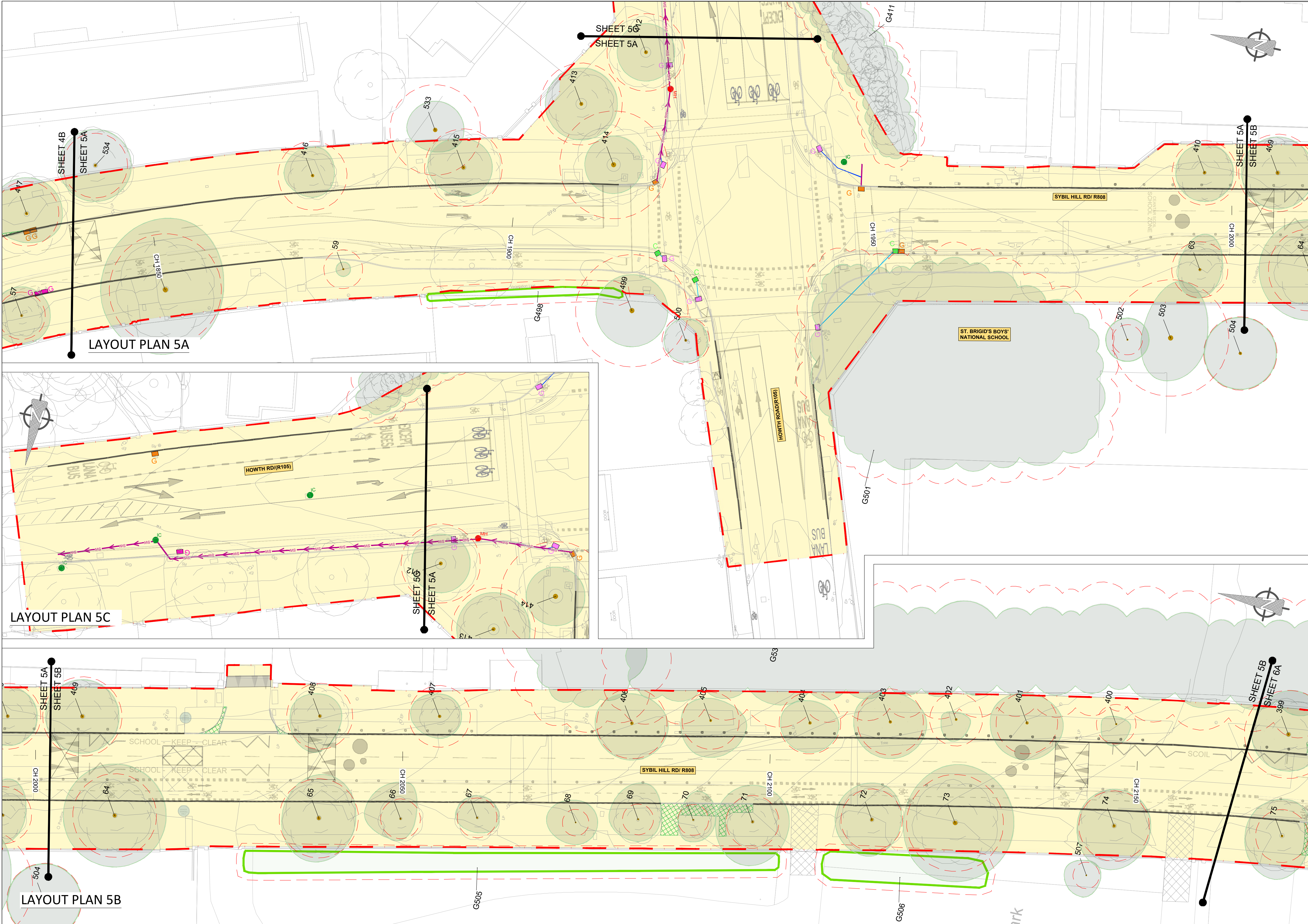
FINAL DRAFT
19/06/2026

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

Drawing Title
DETAIL DESIGN
DRAINAGE DESIGN

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

Drawn	Checked	Reviewed	Approved	Drawing No.	Job No.	Scale	Sheet	Status
AC	KS	DKar	DK	DACT_2100b-JAC-ONG_RD-DR-0500-04.dwg	210000b	1:250 @ A1	44 of 9	S5
							Date: 2026-05-18	Rev: P01.1



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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 a definitive list of all health & safety risks arising from the works.

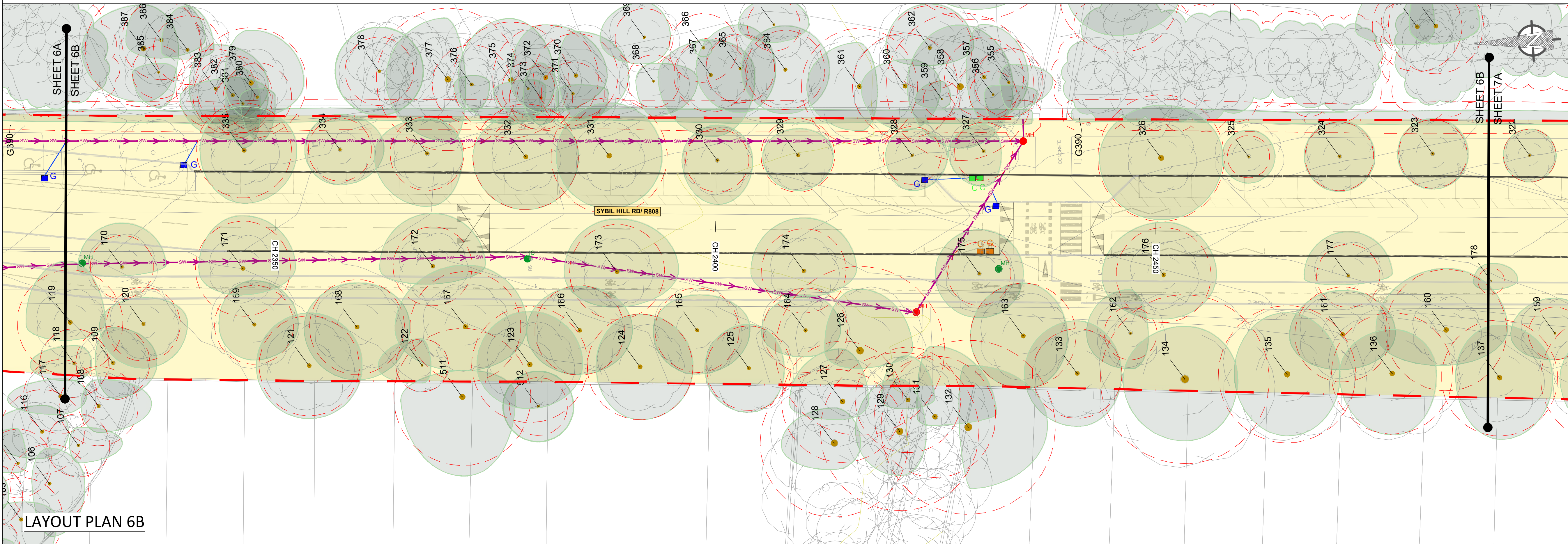
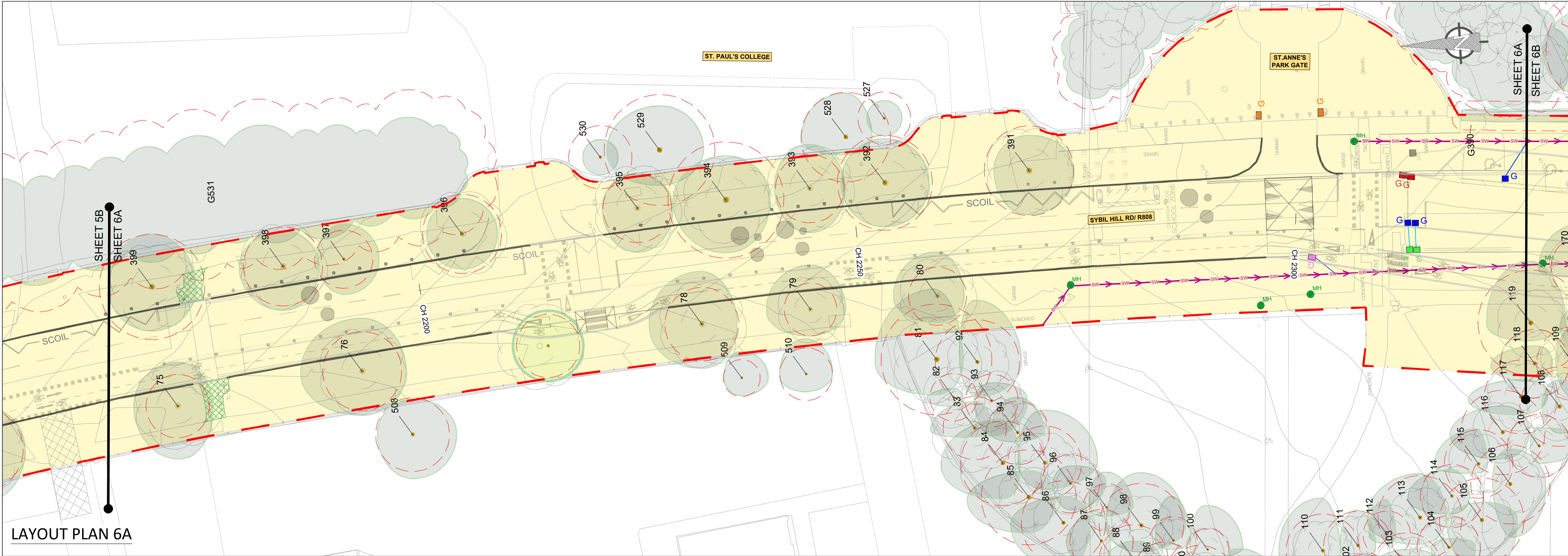
OUTLINE SIGNIFICANT RISKS WHICH ARE OUTSIDE OF STANDARD PROCEDURES THAT MAY NOT BE IMMEDIATELY APPARENT TO DESIGNERS, CONTRACTORS OR OPERATORS

CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



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LEGEND

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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

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CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION

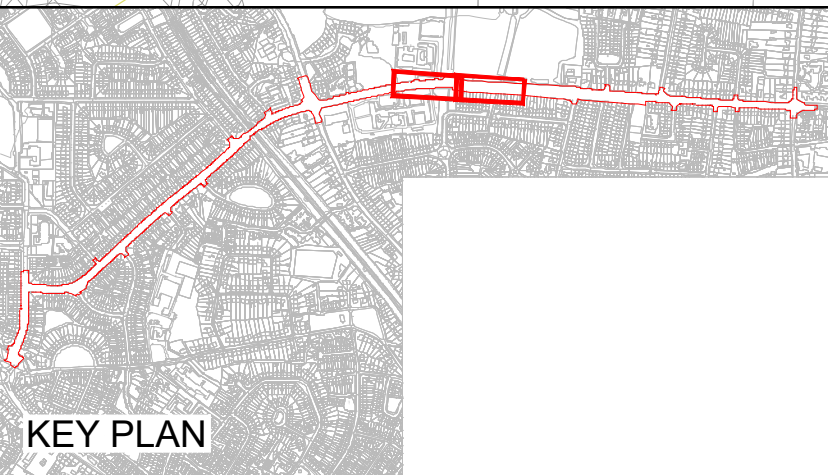


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ENVIRONMENT AND TRANSPORTATION DEPT.

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



FINAL DRAFT
19/06/2026

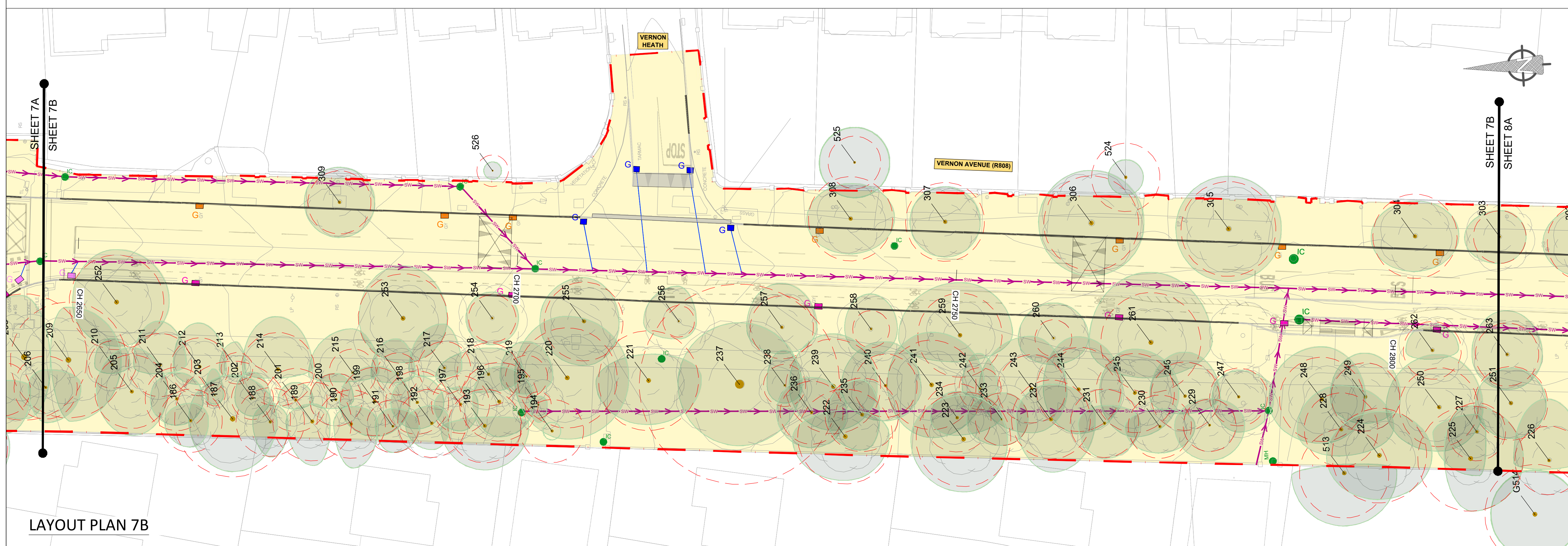
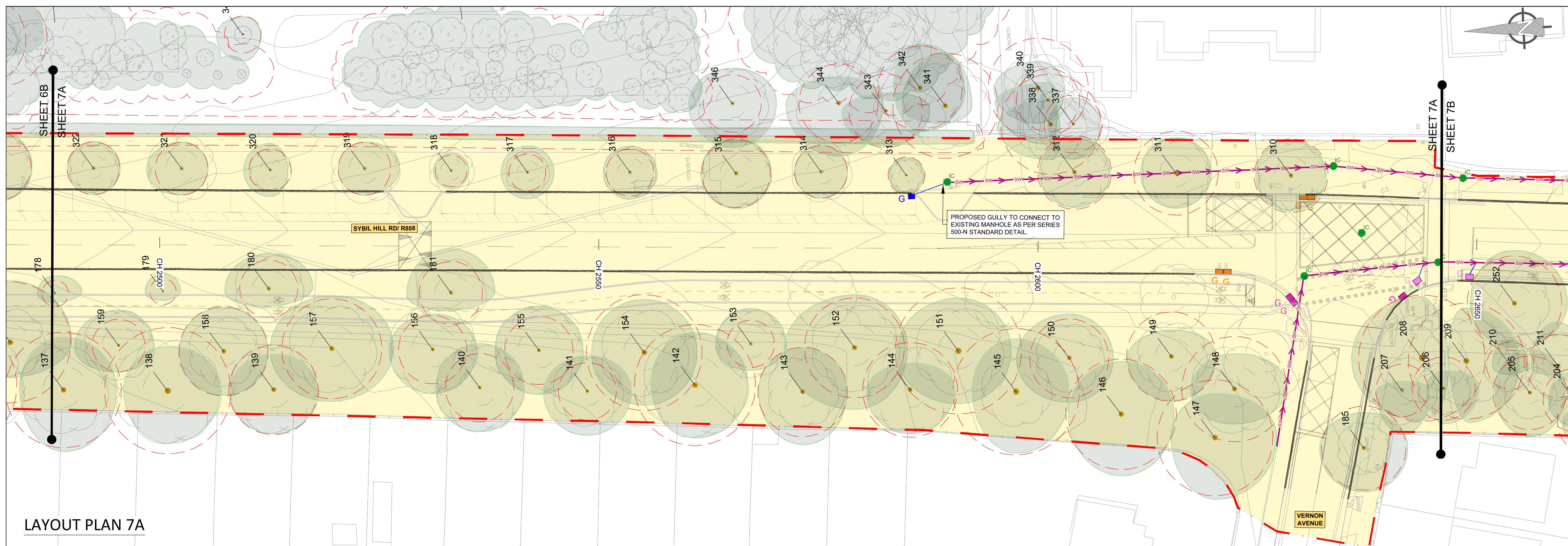
Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

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

Drawing Title
DETAIL DESIGN
DRAINAGE DESIGN

Drawn	Job No.	Scale	Date	Rev.
---	210009b	1:250 @ A1	2026-05-18	P01.1

Sheet: 6 of 9
Status: S5



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. |
|  | <u>TREE LEGEND:</u>
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

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CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE	
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DECOMMISSIONING/DEMOLITION	
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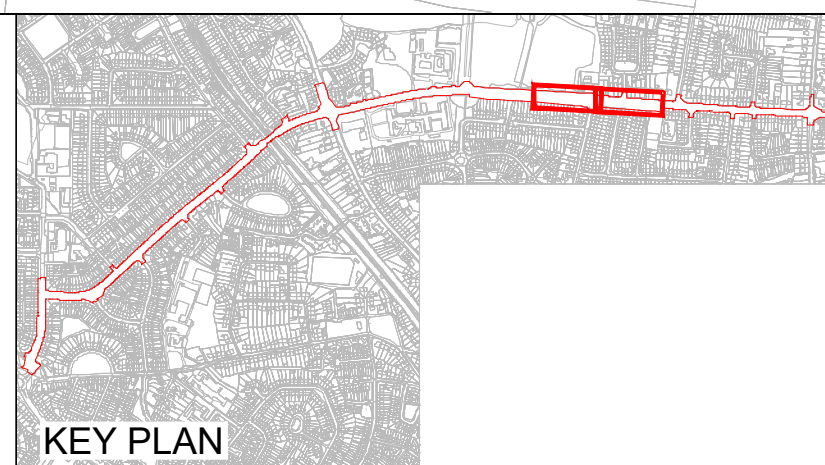


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ENVIRONMENT AND TRANSPORTATION DEPT.

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CIVIC OFFICES WOOD QUAY., DUBLIN 8. EMAIL: activetraveloffice@dublincity.ie
CHRISTOPHER MANZIRA
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Jacobs

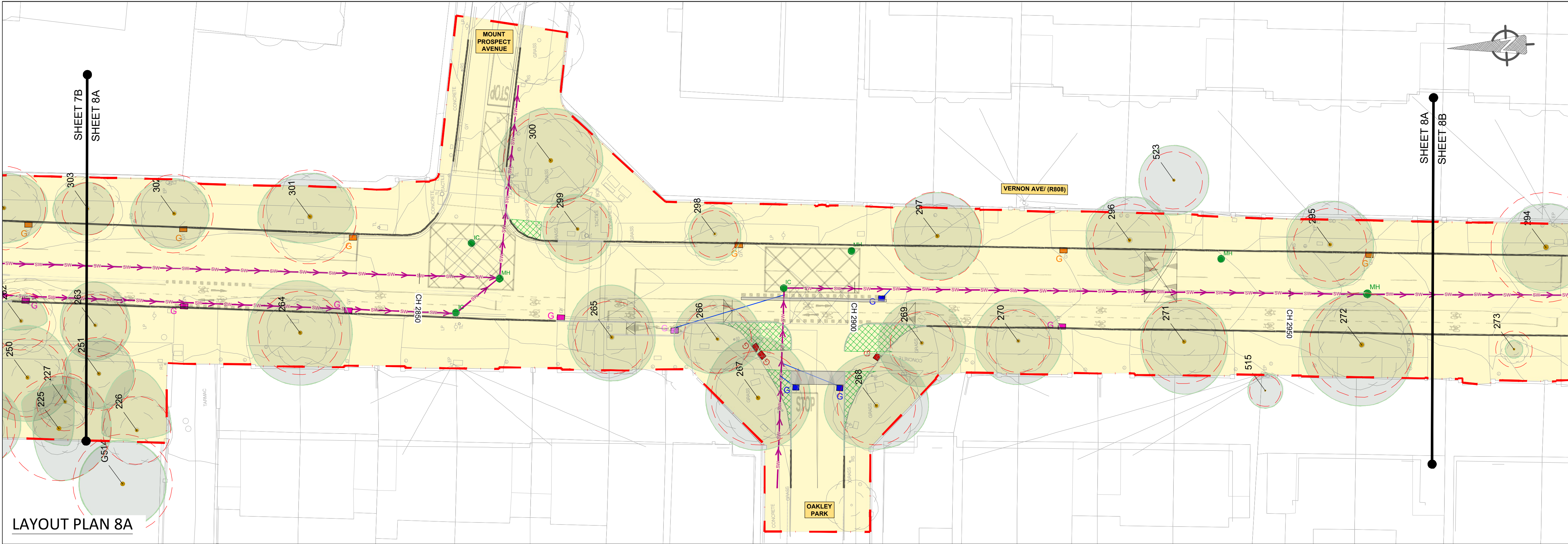
FINAL DRAFT
19/06/2026

Stage	Date	Approval
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

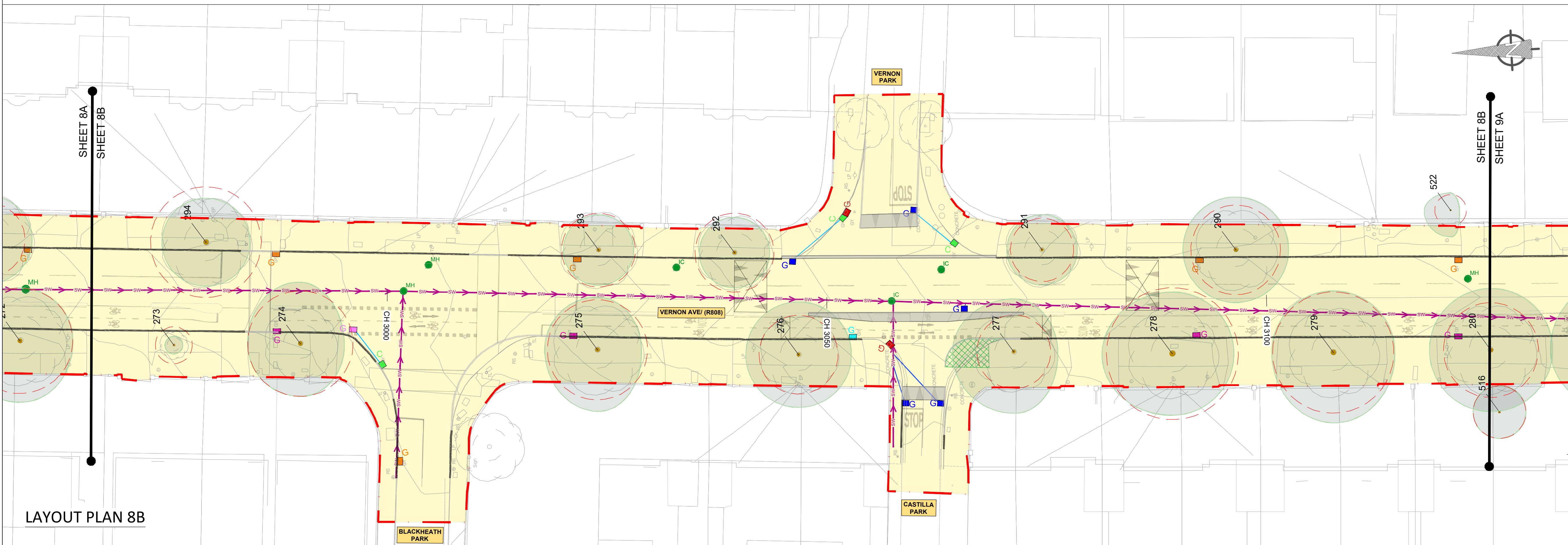
Project Title
COOLOCK TO CLONTARF ACTIVE TRAVEL SCHEME
SECTION 2, GRACEFIELD ROAD TO VERNON AVENUE

Drawing Title	DETAIL DESIGN DRAINAGE DESIGN
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Drawn : ---	Drawing No: DACT_2109b-JAC-DNG_RD-DR-DR-0500-07.dwg	Sheet : 7 of 9	Status: S5
Checked : ---	Job No: 210009b		
Reviewed : ---	Scale: 1:250 @ A1	Date: 2026-05-18	Rev: P01.1
Approved: ---			



LAYOUT PLAN 8A



LAYOUT PLAN 8B

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.
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 - 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:

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CONSTRUCTION

MAINTENANCE / CLEANING

OPERATING/USE

DECOMMISSIONING/DEMOLITION



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ENVIRONMENT AND TRANSPORTATION DEPT.

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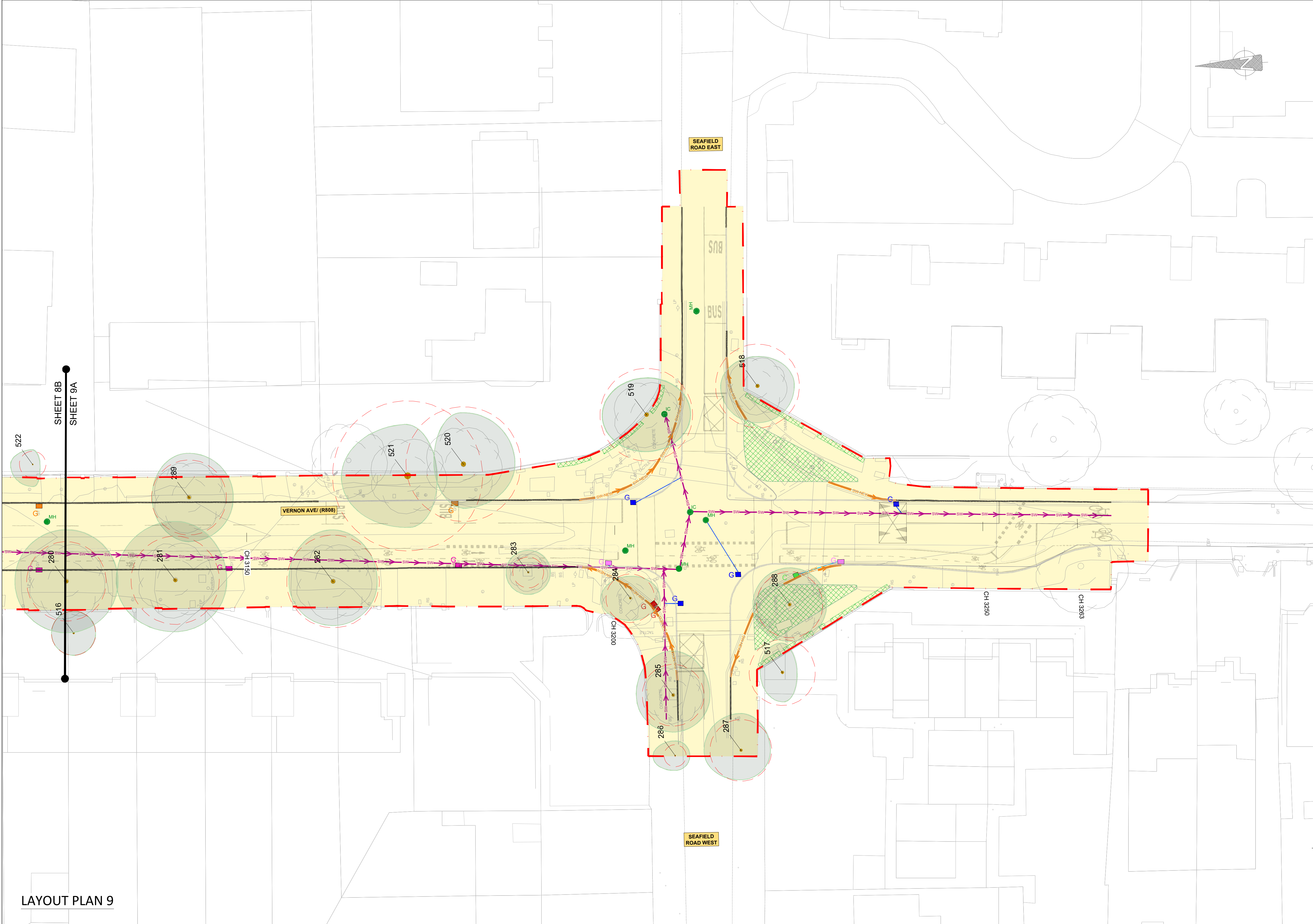
KEY PLAN

FINAL DRAFT
19/06/2026

Stage	Date	App'd
PRELIMINARY		
APPROVAL		
TENDER		
CONSTRUCTION		

Project Title	
COOLLOCK TO CLONTARF ACTIVE TRAVEL SCHEME	
Drawing Title	
DETAIL DESIGN DRAINAGE DESIGN	
Drawn : ---	Drawing No: DACT_2109b-JAC-DNG_RD-DR-0500-08.dwg
Checked : ---	Job No: 210009b
Reviewed : ---	Scale: 1:250 @ A1
Approved : ---	

Sheet	Status
8 of 9	S5
Date:	Rev:
2026-05-18	P01.1



LAYOUT PLAN 9

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 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